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# PLASMA TV

# SERVICE MANUAL

**CHASSIS : AF-05FA**

**MODEL : 50PX4DR 50PX4DR-UA**

## **CAUTION**

BEFORE SERVICING THE CHASSIS,  
READ THE SAFETY PRECAUTIONS IN THIS MANUAL.



# SAFETY PRECAUTIONS

## IMPORTANT SAFETY NOTICE

Many electrical and mechanical parts in this chassis have special safety-related characteristics. These parts are identified by  $\triangle$  in the Schematic Diagram and Replacement Parts List. It is essential that these special safety parts should be replaced with the same components as recommended in this manual to prevent X-RADIATION, Shock, Fire, or other Hazards. Do not modify the original design without permission of manufacturer.

### General Guidance

An **Isolation Transformer should always be used** during the servicing of a receiver whose chassis is not isolated from the AC power line. Use a transformer of adequate power rating as this protects the technician from accidents resulting in personal injury from electrical shocks.

It will also protect the receiver and it's components from being damaged by accidental shorts of the circuitry that may be inadvertently introduced during the service operation.

If any fuse (or Fusible Resistor) in this monitor is blown, replace it with the same specified type.

When replacing a high wattage resistor (Oxide Metal Film Resistor, over 1W), keep the resistor 10mm away from PCB.

Keep wires away from high voltage or high temperature parts.

### Leakage Current Cold Check(Antenna Cold Check)

With the instrument AC plug removed from AC source, connect an electrical jumper across the two AC plug prongs. Place the AC switch in the on position, connect one lead of ohm-meter to the AC plug prongs tied together and touch other ohm-meter lead in turn to each exposed metallic parts such as antenna terminals, phone jacks, etc.

If the exposed metallic part has a return path to the chassis, the measured resistance should be between  $1M\Omega$  and  $5.2M\Omega$ .

When the exposed metal has no return path to the chassis the reading must be infinite.

An other abnormality exists that must be corrected before the receiver is returned to the customer.

### Leakage Current Hot Check (See below Figure)

Plug the AC cord directly into the AC outlet.

#### Do not use a line Isolation Transformer during this check.

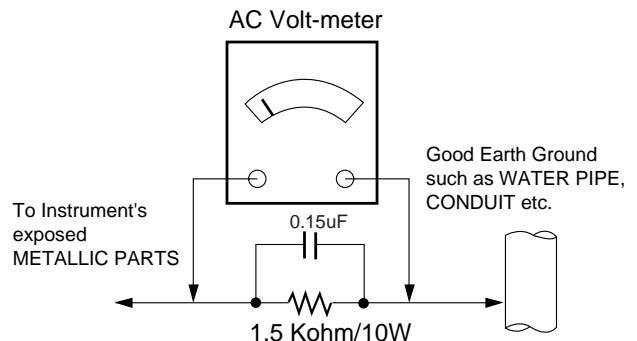
Connect 1.5K/10watt resistor in parallel with a 0.15uF capacitor between a known good earth ground (Water Pipe, Conduit, etc.) and the exposed metallic parts.

Measure the AC voltage across the resistor using AC voltmeter with 1000 ohms/volt or more sensitivity.

Reverse plug the AC cord into the AC outlet and repeat AC voltage measurements for each exposed metallic part. Any voltage measured must not exceed 0.75 volt RMS which is corresponds to 0.5mA.

In case any measurement is out of the limits sepcified, there is possibility of shock hazard and the set must be checked and repaired before it is returned to the customer.

### Leakage Current Hot Check circuit



CANADA: LG Electronics Canada, Inc. 550 Matheson  
Boulevard East Mississauga, Ontario L4Z 4G3

USA : LG Customer Interactive Center  
P.O.Box 240007, 201 James Record Road Huntsville,  
AL 35824  
Digital TV Hotline 1-800-243-0000

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# DESCRIPTION OF CONTROLS

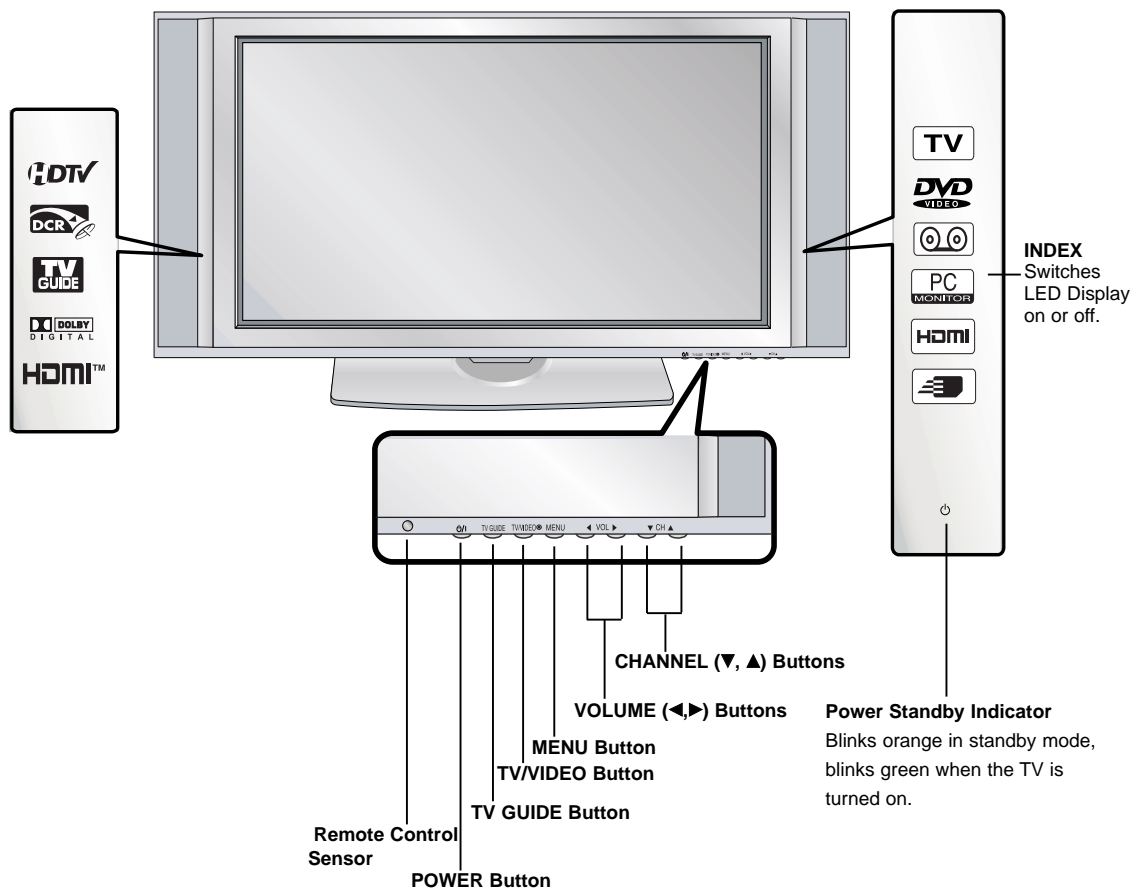
## Controls

◆ This is a front panel of 50PX4DR series TVs.

- This is a simplified representation of front panel.

Here shown may be somewhat different from your TV.

### Front Panel Controls



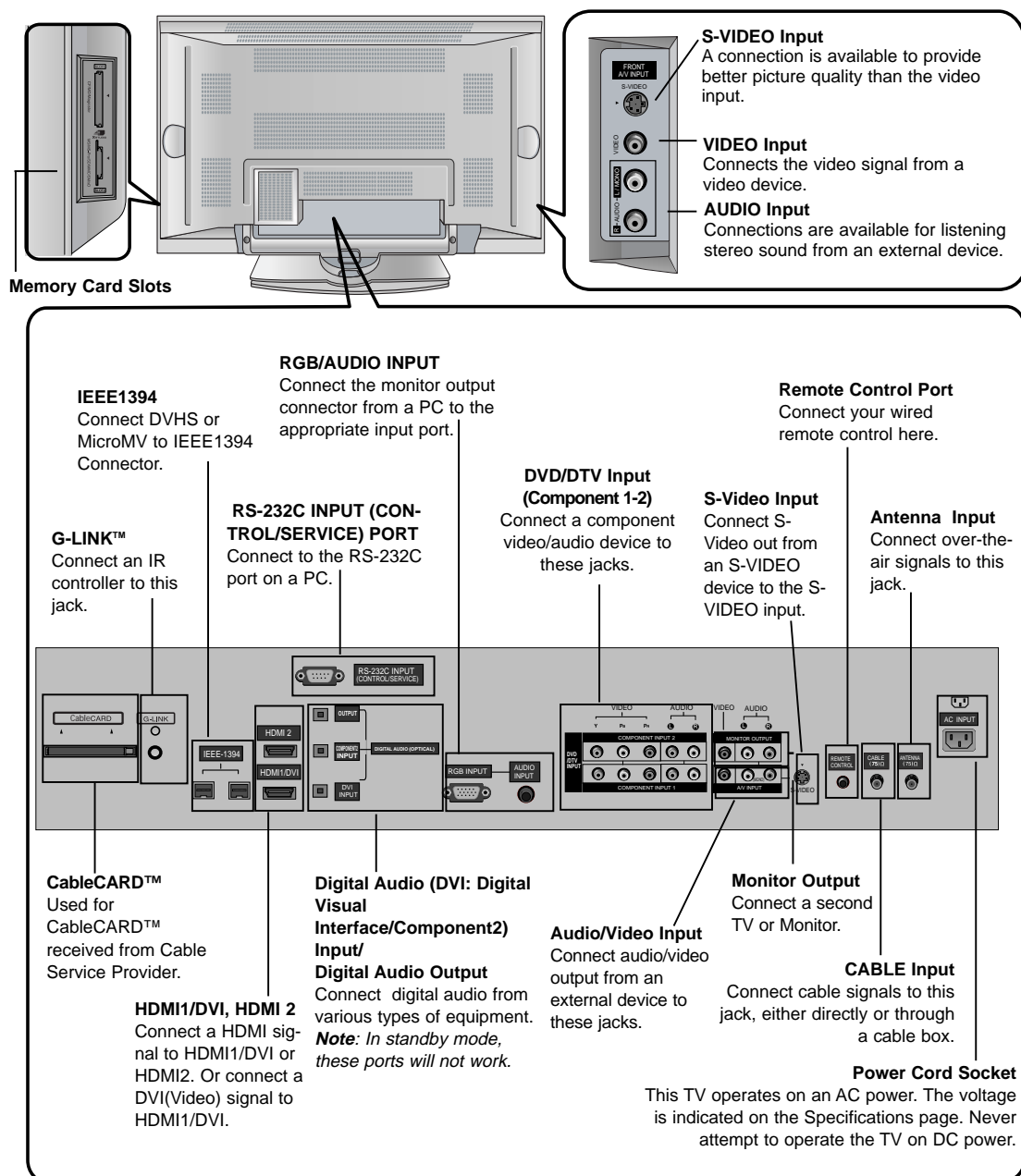


# DESCRIPTION OF CONTROLS

## Connection Options

◆ This is a back panel of 50PX4DR series TVs.

### Back Connection Panel



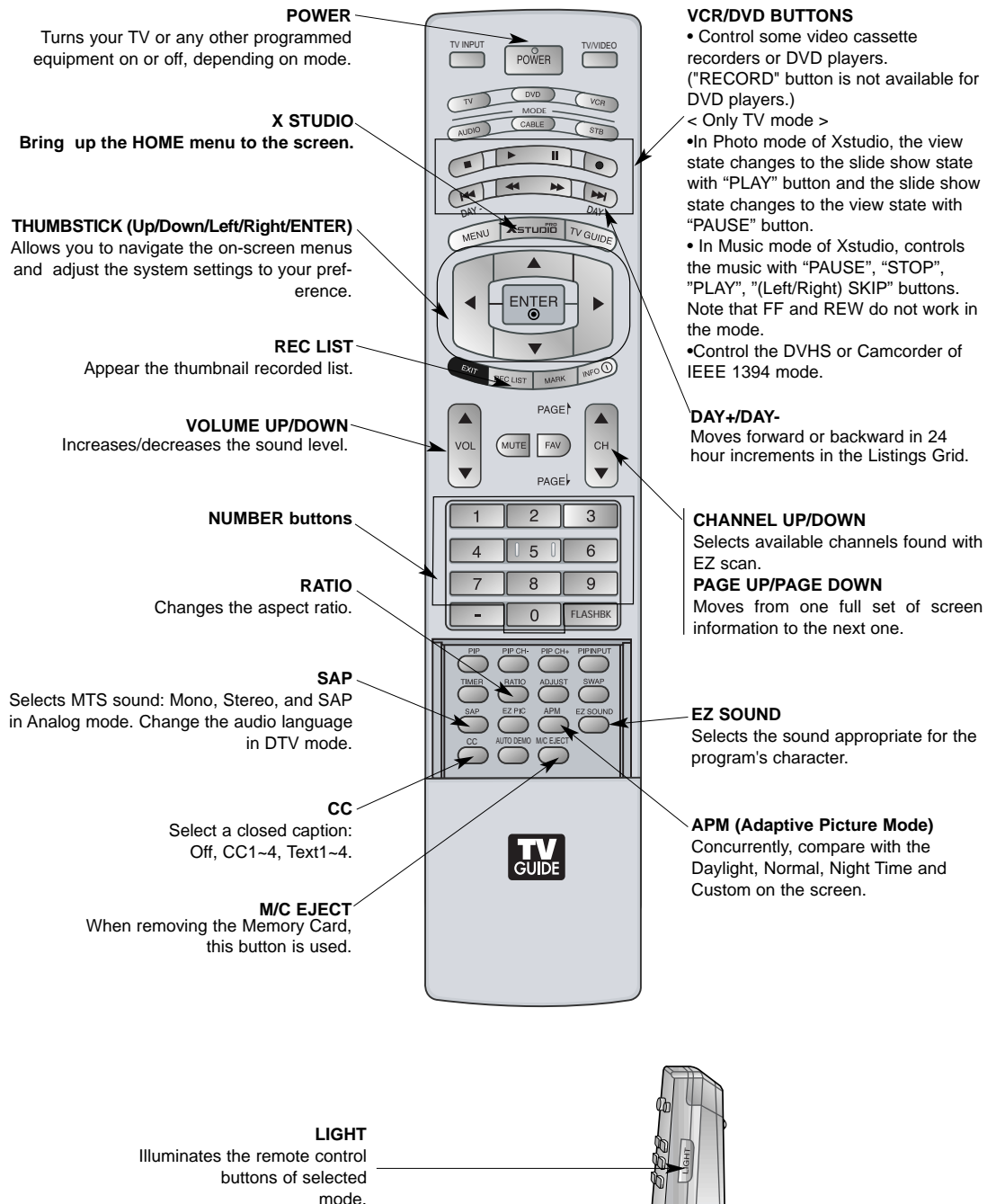
**Note:**

- After removing the cover, you can insert the CableCARD™ or connect to the G-LINK jack.

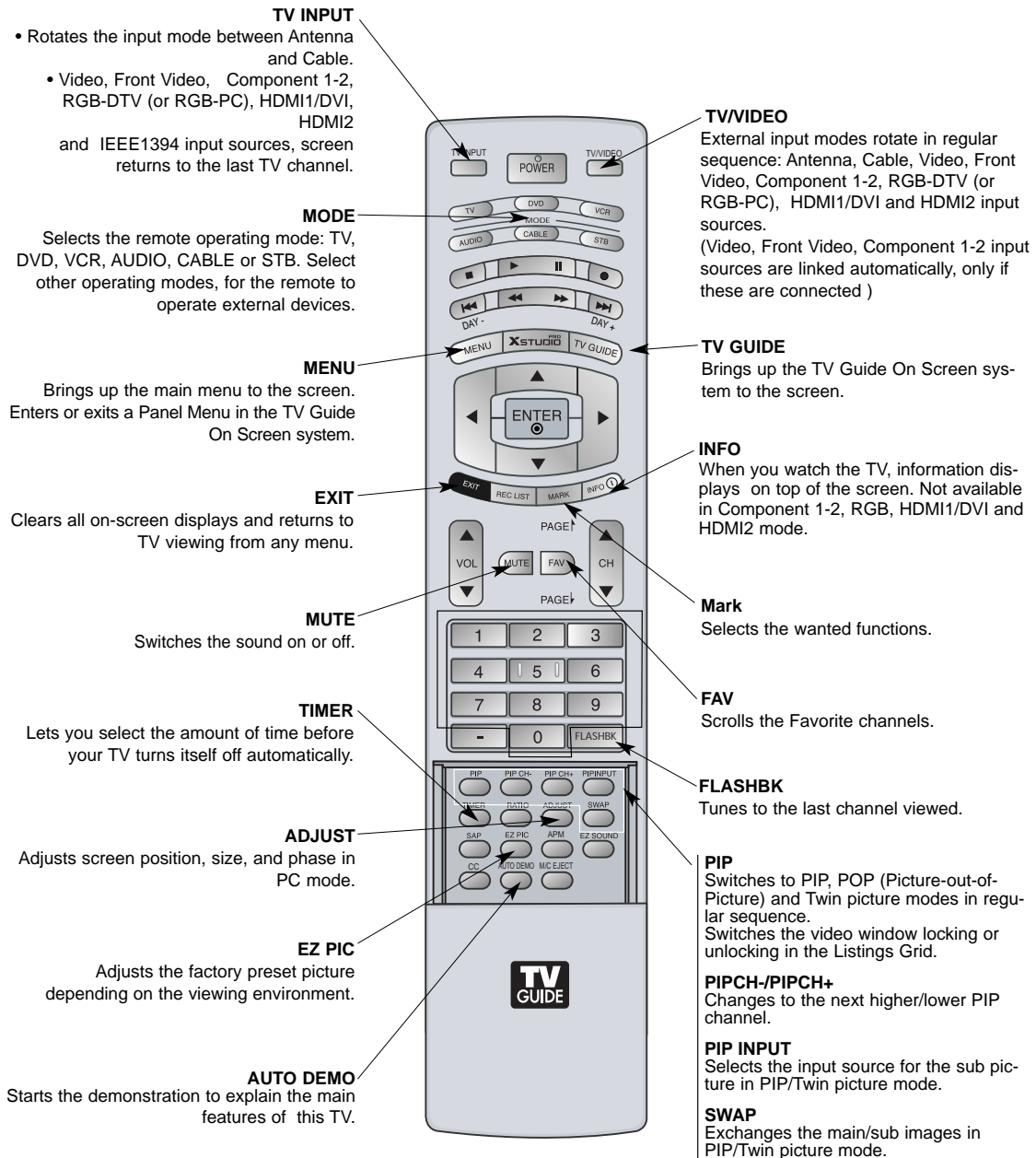
# DESCRIPTION OF CONTROLS

## Remote Control Key Functions

- When using the remote control, aim it at the remote control sensor on the TV.



# DESCRIPTION OF CONTROLS



## SPECIFICATIONS

---

MODELS	50PY2DR-UA	60PY2DR-UA	50PX4DR-UA
Width (inches / mm)	55.9 / 1420	65.6 / 1666	57.5 / 1461
Height (inches / mm)	35 / 889	40.2 / 1022	32.9 / 835
Depth (inches / mm)	14 / 356.8	17 / 434	13 / 331.3
Weight (pounds / kg)	137.8 / 62.5	206.8 / 93.8	123.5 / 56
Resolution	1366 x 768 (Dot)		
Power requirement	AC100-240V ~ 60Hz		
Television System	NTSC-M, ATSC, 64 & 256 QAM		
Program Coverage	VHF 2 ~ 13, UHF 14 ~ 69, CATV 1 ~ 135, DTV 2 ~ 69, CADTV 1 ~ 135		
External Antenna Impedance	75 $\Omega$		
Color	16,770,000 (256 steps of each R, G and B)		
Operating Temperature Range	32 ~ 104°F (0 ~ 40°C)		
Operating Humidity Range	Less than 80%		
Maximum Elevation	6561 feet (2000m)		

- The specifications shown above may be changed without prior notice for quality improvement.

# ADJUSTMENT INSTRUCTIONS

## 1. Application Object

These instructions are applied to all of the PDP TV, AF-05FA.

## 2. Notes

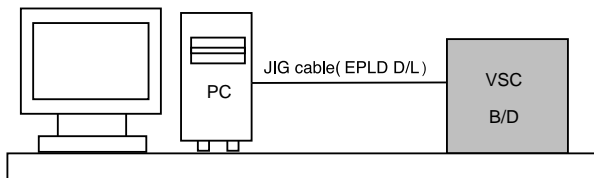
- (1) Because this is not a hot chassis, it is not necessary to use an isolation transformer. However, the use of isolation transformer will help protect test equipment.
- (2) Adjustments must be done in the correct order.
- (3) The adjustments must be performed in the circumstance of  $25\pm5^{\circ}\text{C}$  of temperature and  $65\pm10\%$  of relative humidity if there is no specific designation.
- (4) The input voltage of the receiver be must kept 110V, 60Hz when adjusting.
- (5) The receiver must be operational for about 15 minutes prior to the adjustments.

- 1) After receiving 100% white pattern, the receiver must be operated prior to adjustment. (Or 7. White Pattern condition in EZ - Adjust)
- 2) Enter into White Pattern
  - Pressing POWER ON Key on Service Remote Control (S R/C)
  - Enter the Ez - Adjust by pressing ADJ Key on Service Remote Control (S R/C).
  - Select the 7. White Pattern using CH +/- Key and press the Enter(■) Key.Display the 100% Full White Pattern.

\* Set is activated HEAT-RUN without signal generator in this mode.

If you turn on a still screen more than 20 minutes (Especially Digital pattern(13 CH), Cross Hatch Pattern), an afterimage may occur in the black level part of the screen.

## 3. EPLD Download



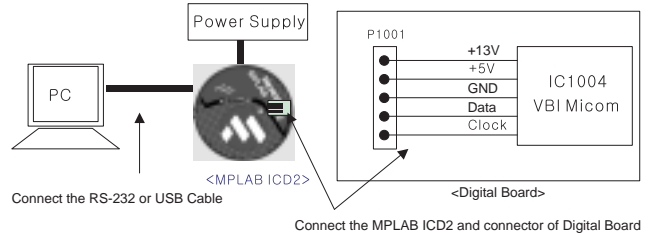
<Fig 1> Connection Diagram of EPLD Download

- (1) Test Equipment: PC, Jig for download
- (2) Connect the power of VSC B/D.
- (3) Execute download program(iMPACK) of PC.
- (4) After executing the hot key on the Programmer, click icon
- (5) End after confirming

## 4. Gemstar VBI Micom Download

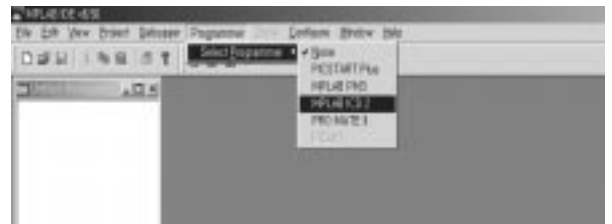
### 4-1. Preparation for Adjustment

- (1) As shown below, connect the MPLAB ICD2 equipment, PC and Digital Connector.
- (2) Turn on the MPLAB ICD2 POWER Supply.
- (3) After turn on the PC and MONITOR, select the 'MPLAB IDE' from the screen.

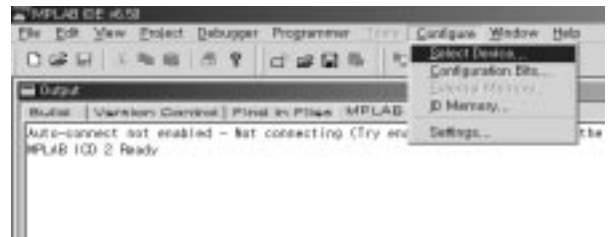


### 4-2. Adjustment Sequence

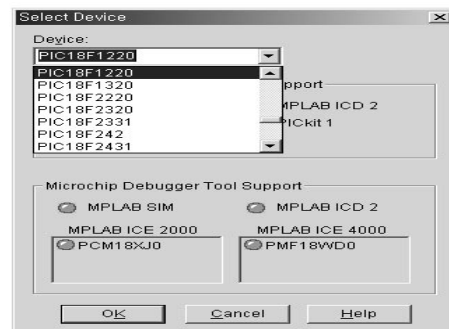
- (1) When the program is executed, select the MPLAB ICD2 from Programmer -> Select Programmer .



- (2) Select "Configure -> Select Device".



- (3) When the "Select Device" window appears, select the PIC18F1220 from "Device" and press OK.



# ADJUSTMENT INSTRUCTIONS

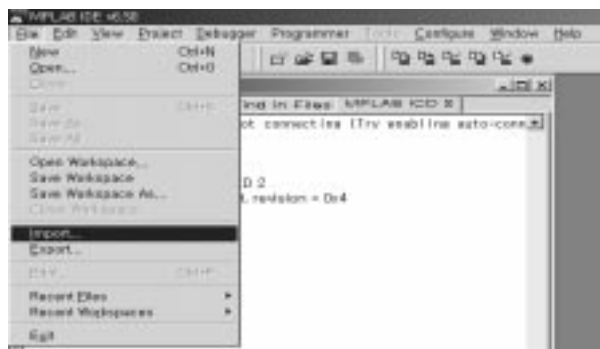
- (4) Select "Programmer -> Connect".



When connected with the Micom, the display message on the Output window appears as below.

```
Connecting to MPLAB ICD 2
...Connected
Setting Vdd source to MPLAB ICD 2
Target Device PIC18F1220 found, revision = 0x4
...Reading ICD Product ID
Running ICD Self Test
...Passed
MPLAB ICD 2 Ready
```

- (5) Select "File -> Import", select the Work HEX file and open.

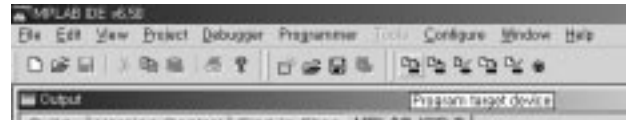


- (6) Select "Programmer -> Program".



- (7) Download is executed and about 5 seconds later, the "Programming succeeded" message is displayed on the Output window and the Download process is ended.

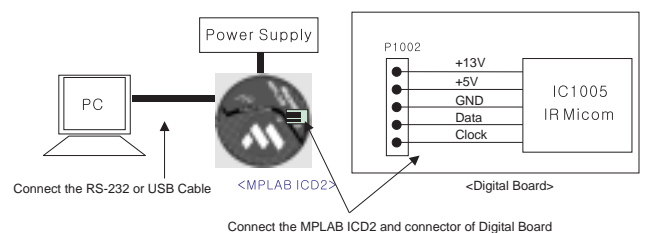
- (8) The execution of process (6) is convenient when using the short-cut icon.



## 5. Gemstar IR Micom Download

### 5-1. Preparation for Adjustment

- (1) As shown below, connect the MPLAB ICD2 equipment, PC and Digital Connector.
- (2) Turn on the MPLAB ICD2 POWER Supply.
- (3) After turn on the PC and MONITOR, select the 'MPLAB IDE' from the screen.

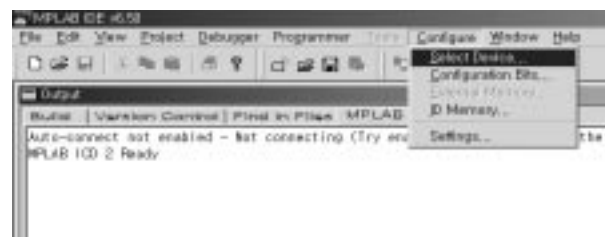


### 5-2. Adjustment Sequence

- (1) When the program is executed, select the MPLAB ICD2 from "Programmer -> Select Programmer".

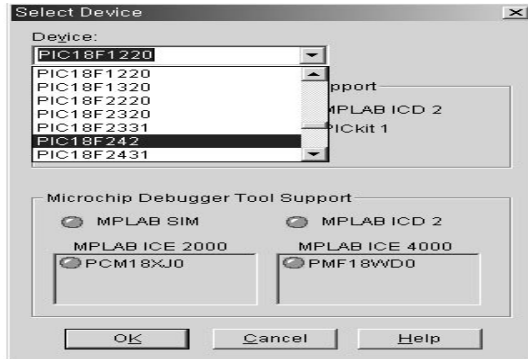


- (2) Select "Configure -> Select Device".



## ADJUSTMENT INSTRUCTIONS

- (3) When the "Select Device" window appears, select the PIC18F242 from "Device" and press OK.



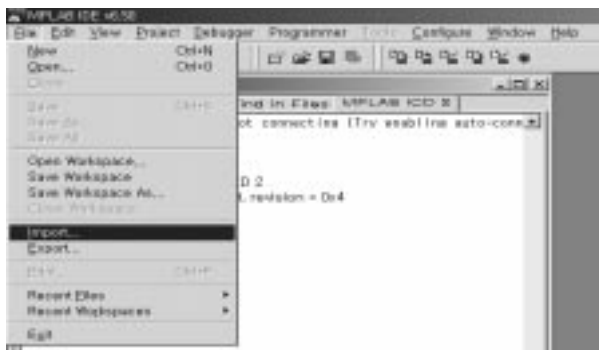
- (4) Select "Programmer -> Connect".



When connect with the Micom, the display message on the Output window appears as below.

```
Connecting to MPLAB ICD 2
...Connected
Setting Vdd source to MPLAB ICD 2
Target Device PIC18F242 found, revision = 0x7
...Reading ICD Product ID
Running ICD Self Test
...Passed
MPLAB ICD 2 Ready
```

- (5) Select "File -> Import", select the Work HEX file and open.

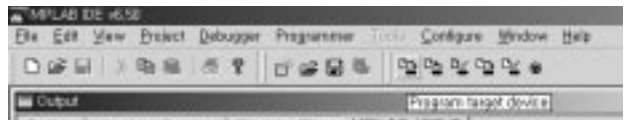


- (6) Select "Programmer -> Program".



- (7) Download is executed and about 3 seconds later, the "Programming succeeded" message is displayed on the Output window and the Download process is ended.

- (8) The execution of process (6) is convenient when using the short-cut icon.



## 6. POD Certificate Download & IEEE1394(DTCP) Download

### 6-1. Preparation for Adjustment

- (1) Connect the MEMORY JIG and PC.
- (2) Turn on the JIG MAIN POWER SWITCH.
- (3) After turn on the PC and MONITOR, execute the 'Certificate Downloader v1.4' from the screen.

### 6-2. Adjustment Sequence

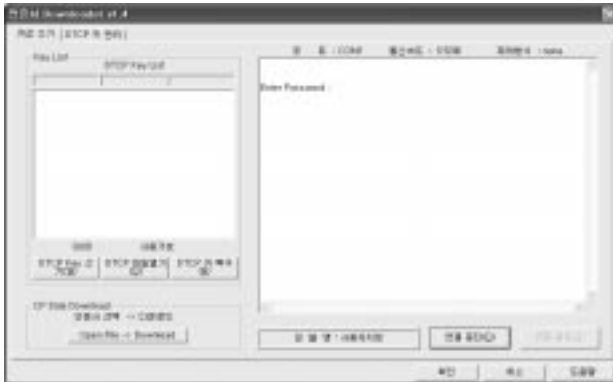
- (1) After open the 'Certificate Downloader v1.4', enter Connection set and set the as same below.  
The port settings are determined by each PC's setup.





## ADJUSTMENT INSTRUCTIONS

- (2) Select 'Connection' and SET connected to RS-232C.
- (3) After clicking "Enter", confirm that "Enter Password:" appears.



- (4) Click the "OpenFile - Download" button from CP Data Download, 'select the Private Key' appears and click ENTER.



- (5) After clicking ENTER, the 'opens Private key' window appears and select the Private key applied to the SET. The Private Key file name is on the Label of the Digital Board.

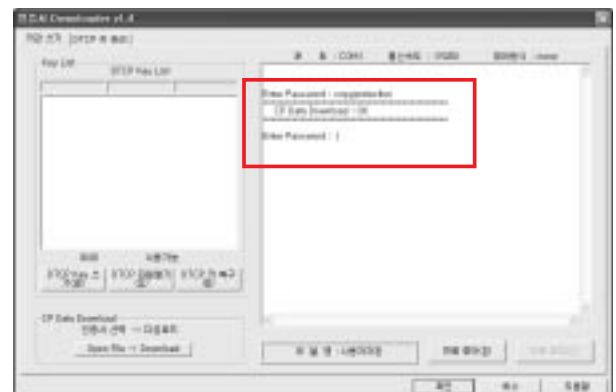


- (6) When the Dialog window appears, click OK and the write work will begin.

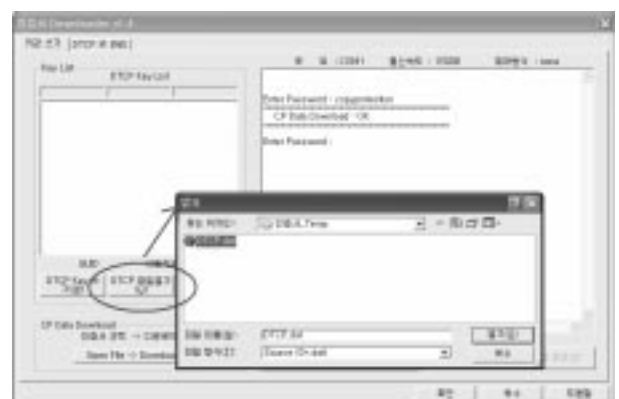


- (7) When completed, click 'CP Data Download: OK'

- \* When 'CP Data Download: OK' does not appear, certificate has not Download correctly. SET is rebooted and certificate Download work must be repeated.



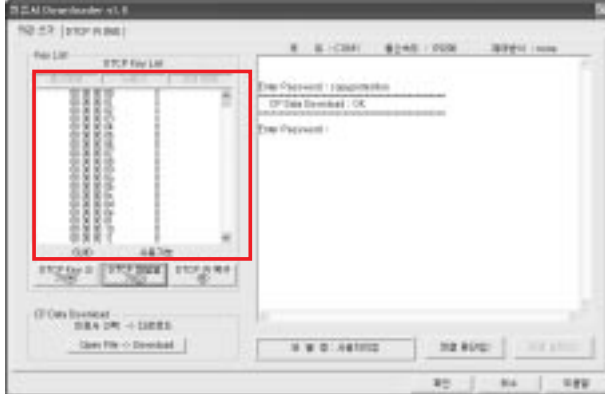
- (8) Now, you may begin IEEE1394 (DTCP) Download work. Select the "DTCP.dat" file by pressing the 'DTCP File Open' button.



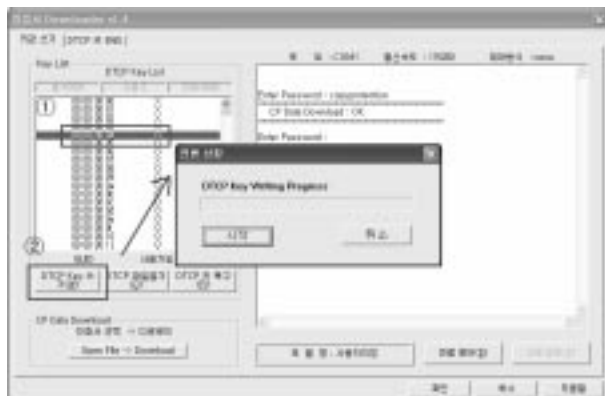


# ADJUSTMENT INSTRUCTIONS

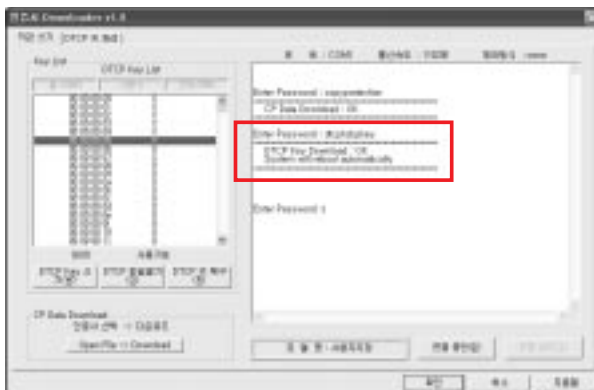
- (9) After opening the 'DTCP.dat' file, confirm the key list in the DTCP Key List window.



- (10) Select the desired item of DTCP key List.  
When pressing 'DTCP key writing' button, the Progress window will appear.



- (11) When completed, "DTCP key Download: OK" will display in the Terminal window and the SET will reboot automatically.



- ※ When process (11) malfunctions, it is not Download.  
DTCP Download process start again from (8).

## 7. Gemstar Operation Confirmation

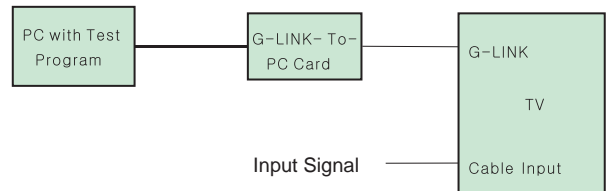
### 7-1. Required Test Equipment

- (1) PC with Factory Test Program
- (2) G-LINK-To-PC Card (Serial GLINK(CN1202))
- (3) VBI Inserter (Norpak TES3) - Guide Data Discharge Equipment

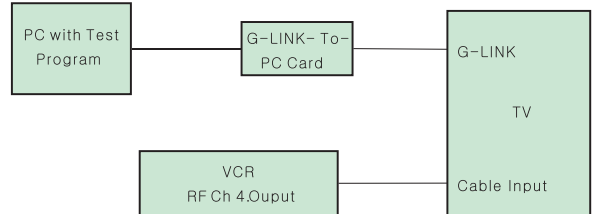
- ※ In case of without the VBI Inserter(TES3), a VCR may be used.

### 7-2. Preparation for Adjustments

- (1) In case of with VBI Inserter(TES3): Signal uses Cable input and set as below.



- (2) In case of without VBI Inserter(TES3): VCR uses Cable input and set as below.

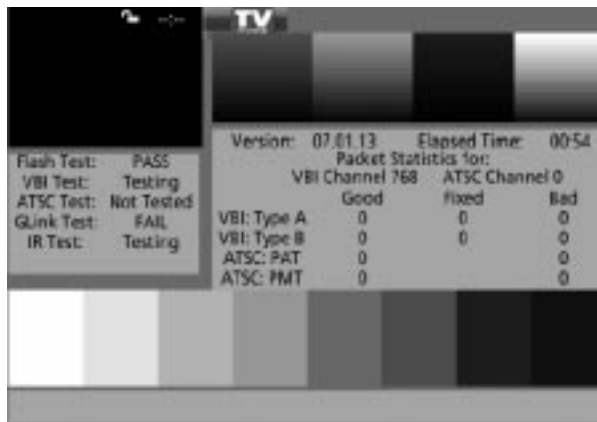


- ※ Factory Test S/W must be set to "GlinkTo PC Card" ON.

### 7-3. Adjustment Confirmation Work

- (1) Turn on the TV and run Factory Test Program of PC.
- ※ Program only needs to run once, regardless of set quantity.
- (2) Enter the EZ adjust menu by pressing Adjust on the Service Remote Control (S R/C).
- (3) Go to number 1 Gemstar and press Enter.
- (4) TV set screen will appear as shown.

## ADJUSTMENT INSTRUCTIONS



- (5) Confirm that VBI Test, Glink Test and IR Test PASS from the screen.

## 8. Cable Operation Confirmation

- (1) Confirm that the Cable Card is inserted in the slot.
- (2) Enter the EZ adjust menu by pressing the Adjust key on the Service Remote Control (S R/C).
- (3) Go to number 2 Cable Check and press the Right key (►) .
- (4) Confirm items below.

Name	Normal	Defective
Descrambler Check	OK	Not OK
CableCARD	CableCARD™ is inserted.	CableCARD™ is removed.
OOB Path	OK(Lock)	Not OK(Unlock)
FDC_SNR	OK(20dB above)	Not OK(20dB under)
Video Signal	Normal Screen	Black Screen (No Picture)



# ADJUSTMENT INSTRUCTIONS

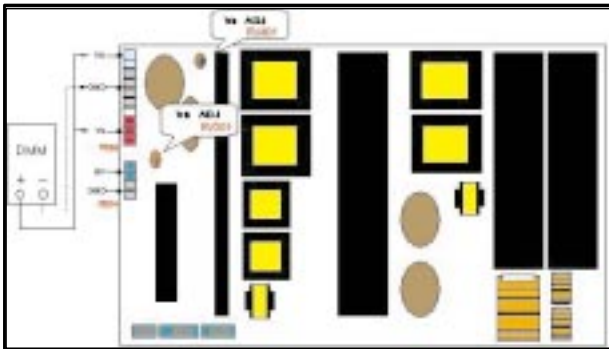
Each PCB Assy must be checked by Check JIG Set before assembly. (Especially, be careful Power PCB Assy which can cause Damage to the PDP Module.)

## 9. POWER PCB Assy Voltage Adjustment (Va, Vs Voltage Adjustment)

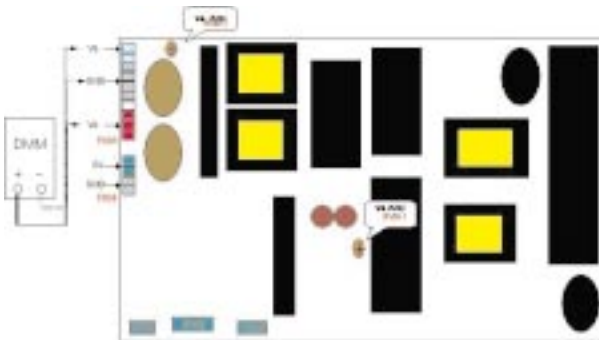
### 9-1. Test Equipment : D.M.M 1EA

### 9-2. Connection Diagram for Measuring

Refer to Fig 1.



<Fig. 1-1> Connection Diagram of Power Adjustment for Measuring (Power Board): 50"



<Fig. 1-2> Connection Diagram of Power Adjustment for Measuring (Power Board): 60"

### 9-3. Adjustment (50")

#### (1) Va Adjustment

- 1) Connect + terminal of D.M.M to Va pin of P805 and connect – terminal to GND pin of P805.
- 2) Adjust RV501 voltage to match that of the label on the Top/Right of the panel. (Deviation :  $\pm 0.5V$ )

#### (2) Vs Adjustment

- 1) Connect + terminal of D.M.M to Vs pin of P805 and connect – terminal to GND pin of P805.
- 2) Adjust RV401 voltage to match that of the label on the Top/Right of the panel. (Deviation :  $\pm 2.0V$ )

### 9-4. Adjustment (60")

#### (1) Va Adjustment

- 1) Connect + terminal of D.M.M to Va pin of P805 and connect – terminal to GND pin of P805.
- 2) Adjust RV501 voltage to match that of the label on the Top/Right of the panel. (Deviation :  $\pm 0.5V$ )

#### (2) Vs Adjustment

- 1) Connect + terminal of D.M.M to Vs pin of P805 and connect – terminal to GND pin of P805.
- 2) Adjust RV401 voltage to match that of the label on the Top/Right of the panel. (Deviation :  $\pm 2.0V$ )

## 10. EDID(The Extended Display Identification Data)/DDC (Display Data Channel) download

This is the function that enables "Plug and Play".

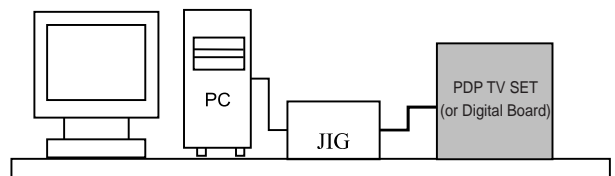
### 10-1. HDMI EDID Data Input

#### (1) Required Test Equipment

- 1) Jig for adjusting PC, DDC. (PC serial to D-sub. Connection equipment)
- 2) S/W for writing DDC(EDID data write & read)
- 3) D-Sub cable
- 4) Jig for HDMI Cable connection

#### (2) Preparation for Adjustments & Setting of Device

- 1) Set devices as below and turn on the PC and JIG.
- 2) Open S/W for writing DDC (EDID data write & read). (operated in DOS mode)



<Fig. 2>

# ADJUSTMENT INSTRUCTIONS

## 10-2. EDID DATA for AF-05FA

- EDID for HDMI (DDC (Display Data Channel) Data)

EDID table =

0 1 2 3 4 5 6 7 8 9 A B C D E F

```
0 | 00 FF FF FF FF FF FF 00 1E 6D 01 00 01 01 01 01
10 | 00 0E 01 03 80 73 41 96 0A CF 74 A3 57 4C B0 23
20 | 09 48 4C 2F CE 00 31 40 45 40 61 40 01 01 01 01
30 | 01 01 01 01 01 01 01 1D 00 72 51 D0 1E 20 6E 28
40 | 55 00 C4 8E 21 00 00 1E 01 1D 80 18 71 1C 16 20
50 | 58 2C 25 00 C4 8E 21 00 00 9E 00 00 00 FC 00 4C
60 | 47 20 54 56 20 20 20 20 20 20 20 0A 00 00 00 FD
70 | 00 3B 3C 1F 2D 08 00 0A 20 20 20 20 20 20 01 85
```

0 1 2 3 4 5 6 7 8 9 A B C D E F

```
0 | 02 03 13 F2 44 84 85 03 02 23 15 07 50 65 03 0C
10 | 00 10 00 8C 0A D0 8A 20 E0 2D 10 10 3E 96 00 C4
20 | 8E 21 00 00 18 8C 0A D0 8A 20 E0 2D 10 10 3E 96
30 | 00 13 8E 21 00 00 18 00 00 00 00 00 00 00 00
40 | 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
50 | 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
60 | 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
70 | 00 00 00 00 00 00 00 00 00 00 00 00 00 00 0A
```

- EDID DATA for RGB

EDID table =

00 01 02 03 04 05 06 07 08 09 0A 0B 0C 0D 0E 0F

```
00 | 00 FF FF FF FF FF FF 00 1E 6D 01 01 01 01 01 01
10 | 03 0D 01 03 08 6E 3E 96 08 CF 72 A3 57 4C B0 23
20 | 09 45 5D EF CE 00 31 D9 31 59 45 59 01 01 01 01
30 | 01 01 01 01 01 01 40 C3 1E 00 20 41 00 20 30 10 60
40 | 13 00 4C 6C 42 00 00 18 00 00 00 FC 00 4C 47 20
50 | 54 56 0A 20 20 20 20 20 20 20 00 00 00 FD 00 30
60 | 4C 1E 64 0F 00 0A 20 20 20 20 20 00 00 00 FC
70 | 00 44 55 2D 35 30 50 59 31 30 0A 20 20 20 00 94
```

## 11. AD9883A-Set Adjustment

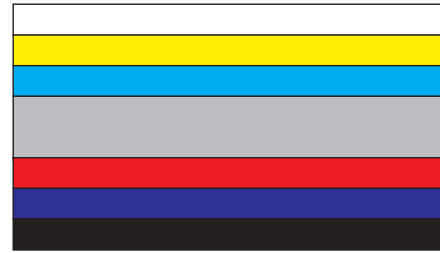
### 11-1. Synopsis

AD9883A-Set adjustment to set the black level and the Gain to optimum.

### 11-2. Test Equipment

Service R/C, 801GF(802B, 802F, 802R) or MSPG925FA Pattern Generator

(720P The Horizontal 100% Color Bar Pattern output will be possible and the output level will accurately have to be revised with  $0.7 \pm 0.1V_{p-p}$ )



<Fig. 3> Adjustment Pattern : 720P/60Hz HozTV31 Bar Pattern

## 11-3. Adjustment

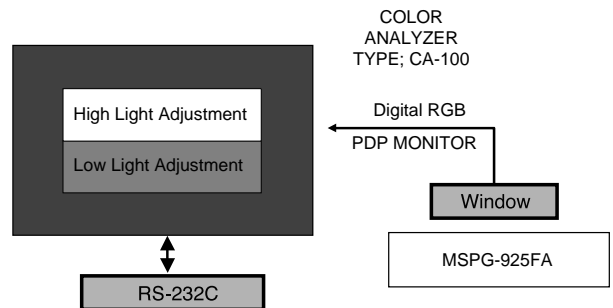
- (1) Select Component1 or Component2 as the input with 100% Horizontal Color Bar Pattern(HozTV30Bar) in 720p Mode and select 'Normal' in screen.
- (2) After receiving signal for at least 1 second, press the ADJ Key on the Service R/C to enter the 'Ez - Adjust' and select the '3. AD9883A-Set'.  
Pressing the + Key to adjust with automatic movement.
- (3) When the adjustment is over, 'End Of AD9883A Adjust' is displayed. If the adjustment has errors, 'AD9883A Configuration Error' is displayed.
- (4) Readjust after confirming the case Pattern or adjustment condition where the adjustment errors.
- (5) After adjustment is complete, exit the adjustment mode by pressing the ADJ KEY.

## 12. Adjustment of White Balance

### 12-1. Required Equipment

- (1) Color analyzer (CA-100 or similar product)
- (2) Automatic adjustor (with automatic adjustment hour necessity and the RS-232C communication being possible)
- (3) Pattern Generator(MSPG-925FA): DVI Output

### 12-2. Connection Diagram of Equipment for Measuring (Automatic Adjustment)



<Fig. 4> Connection Diagram of Automatic Adjustment

# ADJUSTMENT INSTRUCTIONS

## ※ RS-232C Command (Automatic Adjustment)

	RS-232C Command [CMD ID DATA]	MIN	CENTER (DEFAULT)		MAX
			50"	60"	
R Gain	ja 00 XX	00			ff
G Gain	jb 00 XX	00	7F	7F	ff
B Gain	jc 00 XX	00			ff
R Cut	lj 00 XX	00	3F	3F	7f
G Cut	lk 00 XX	00			7f
B Cut	ll 00 XX	00			7f

## 12-3. Adjustment of White Balance

- Operate the Zero-calibration of the CA-100, then attach sensor to PDP module surface when you adjust.
- Manual adjustment is also possible by the following sequence.

- (1) Enter 'Ez - Adjust' by pressing ADJ KEY on the Service Remote Control.
- (2) Select "8. WHITE PATTERN" using CH +/- Key and HEAT RUN at least 30 minutes by pressing the ENTER Key.
- (3) Receive the Window pattern signal from Digital Pattern Generator. (AV Input: connect the 'HDMI')
- (4) After attaching sensor to center of screen, select '4. White-Balance' of 'Ez - Adjust' by pressing the ADJ KEY on the Service R/C. Then enter adjustment mode by pressing the Right KEY (▶).
- (5) Adjust the Hight Light using R Gain/B Gain/B Gain and adjust the Low Light using R Cut/G Cut/B Cut.
- (6) Adjust using Volume +/- KEY.

### [TU-50PY22]

(G-Gain: 127 R-Cut: 63 Fix.)

High Level: 150gray

Low Level: 60gray

High X; 0.285±0.003 Y; 0.285±0.002

Low X; 0.285±0.004 Y; 0.285±0.004

Color temperature: 9,800°K±500°K

### [TU-60PY22]

(G-Gain: 127 R-Cut: 63 Fix.)

High Level: 150gray

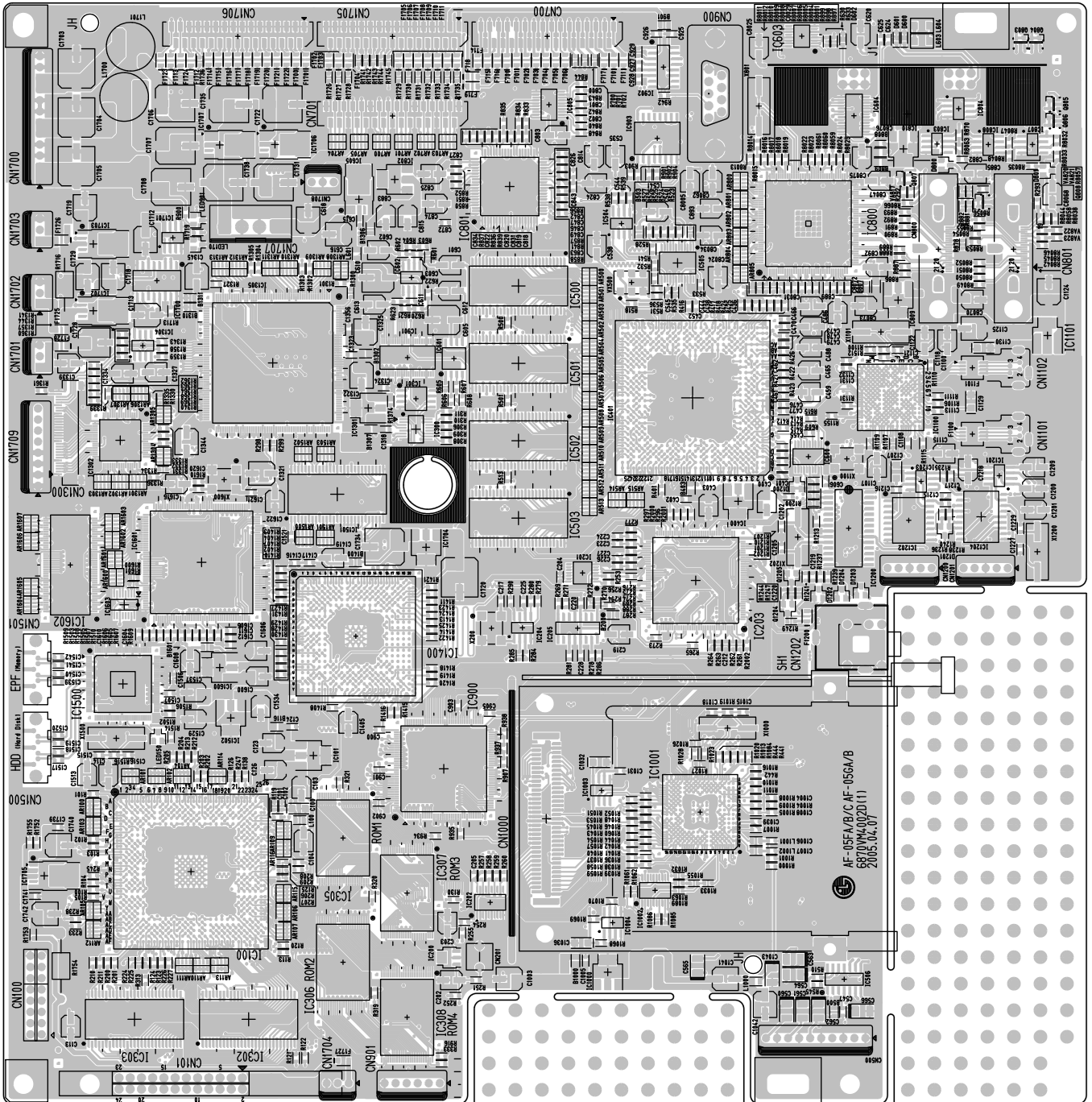
Low Level: 60gray

High X; 0.285±0.003 Y; 0.285±0.002

Low X; 0.285±0.004 Y; 0.285±0.004

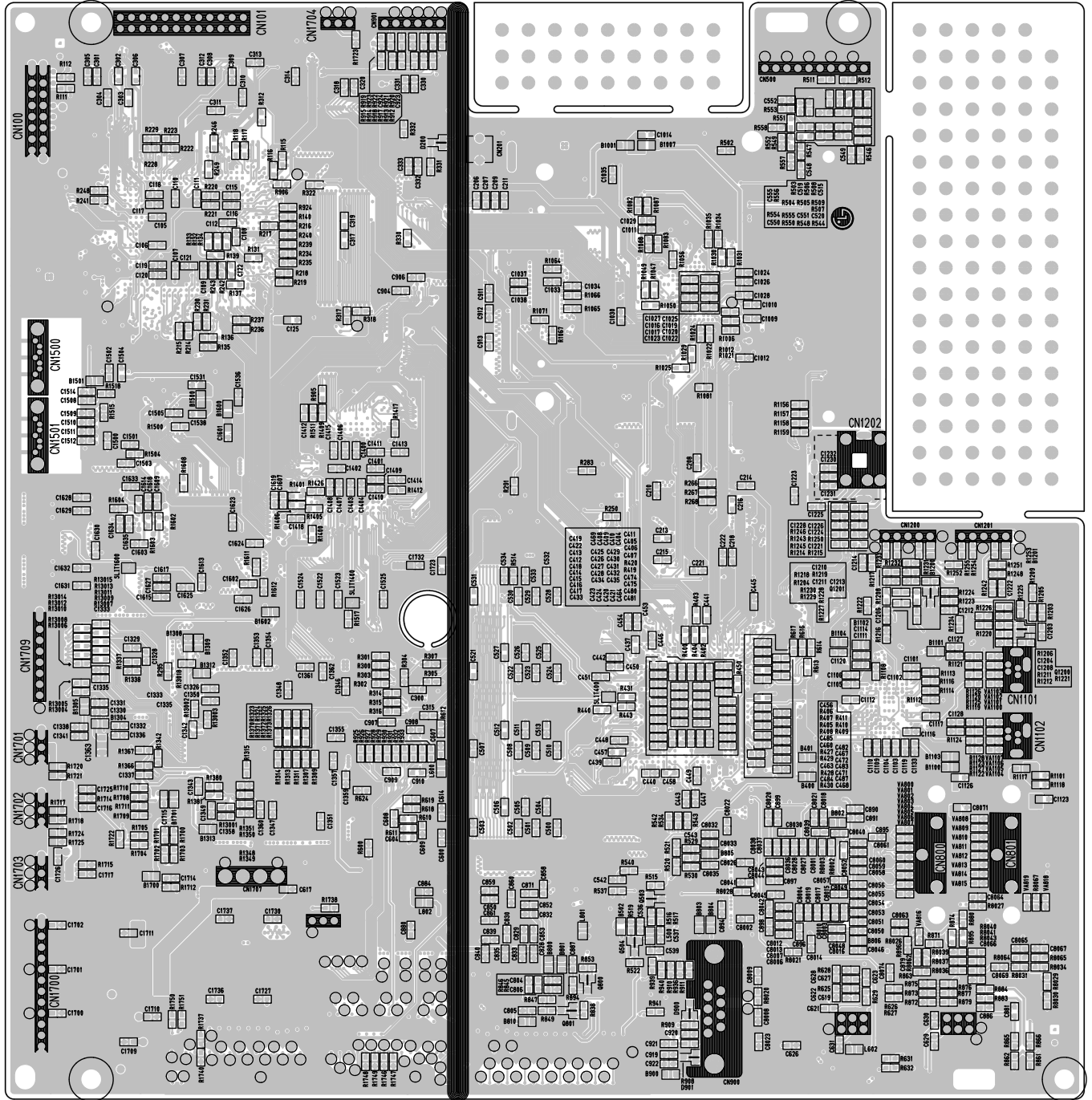
Color temperature: 9,800°K±500°K

## MAIN DIGITAL(TOP)

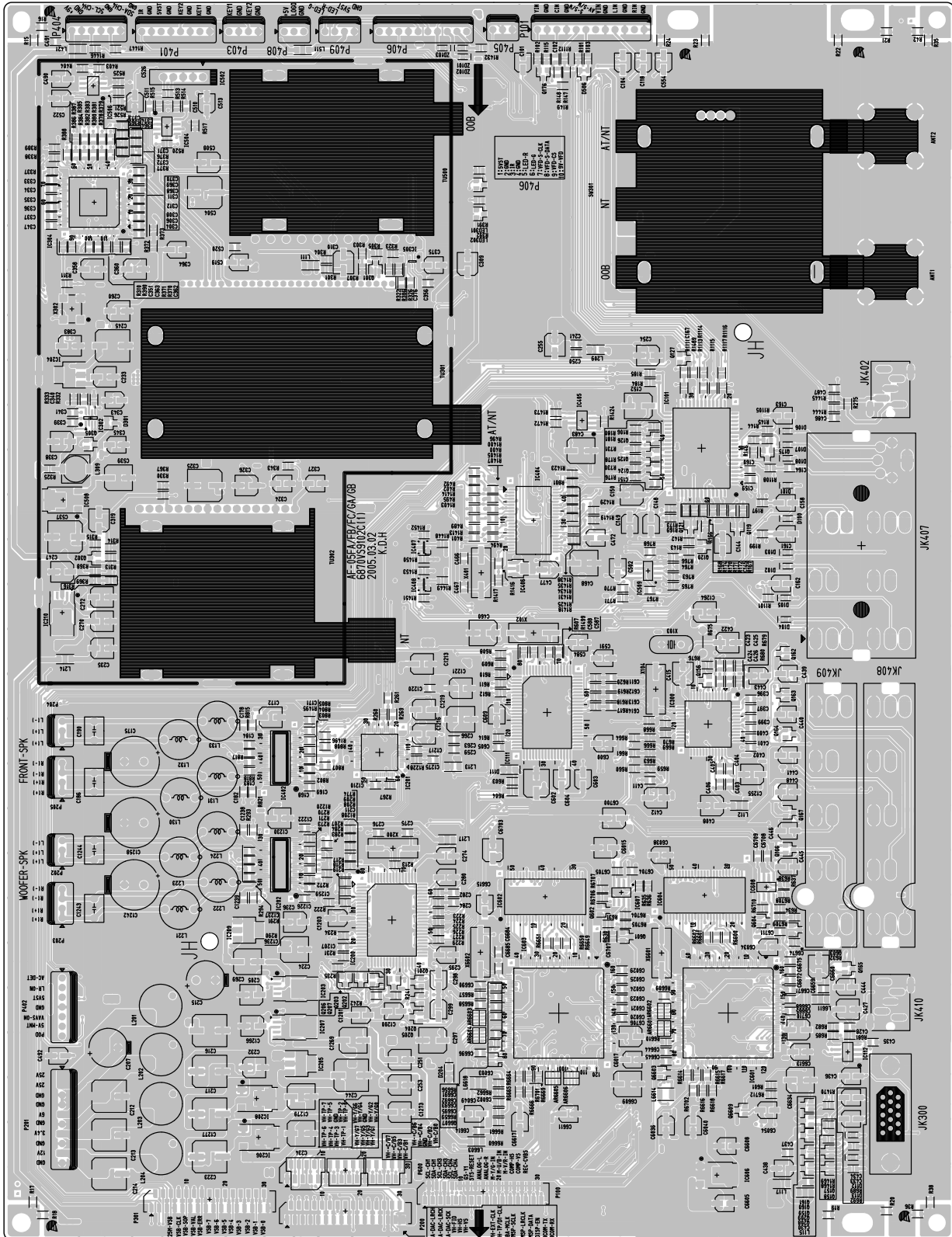


# PRINTED CIRCUIT BOARD

## MAIN DIGITAL(BOTTOM)

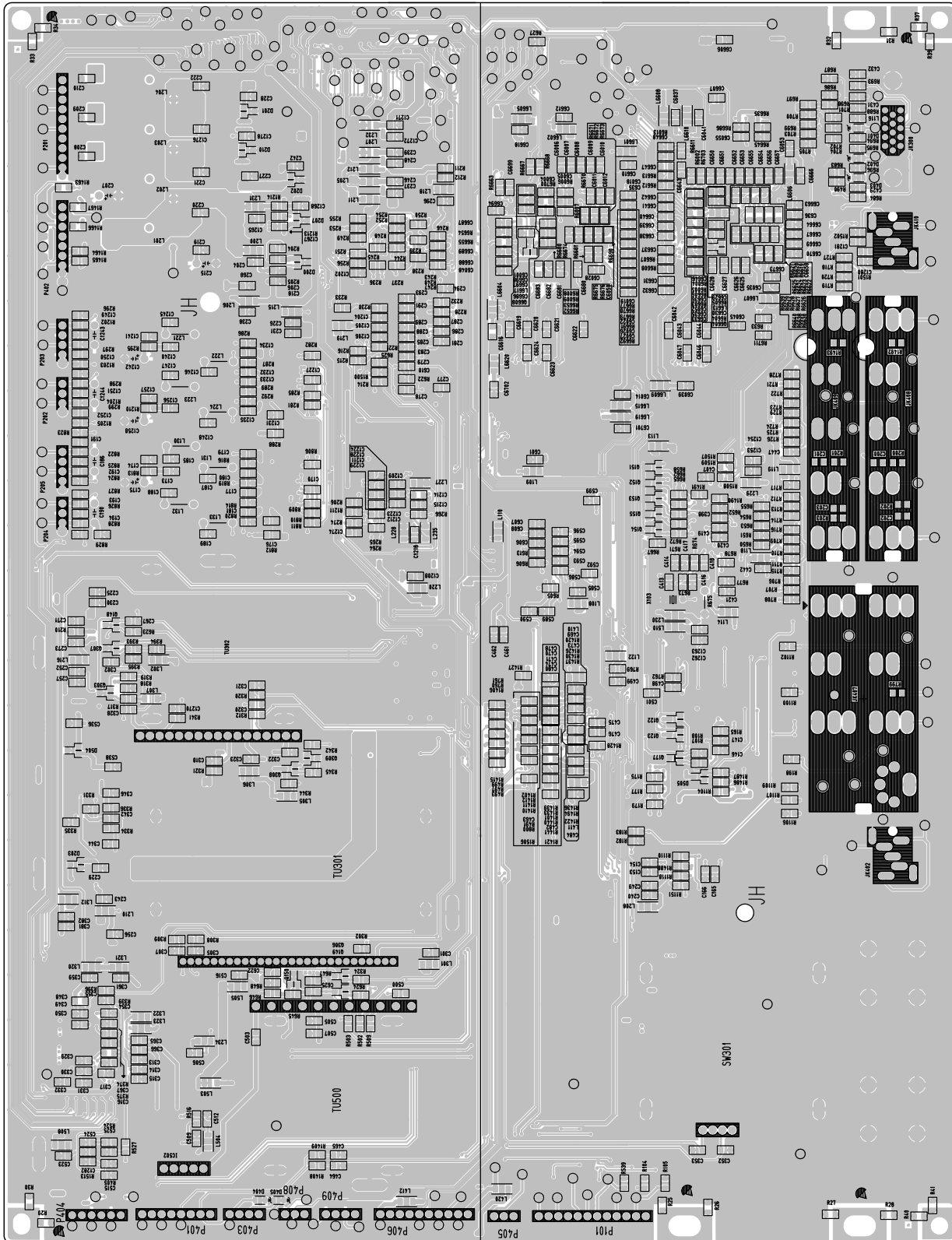


## MAIN ANALOG(TOP)



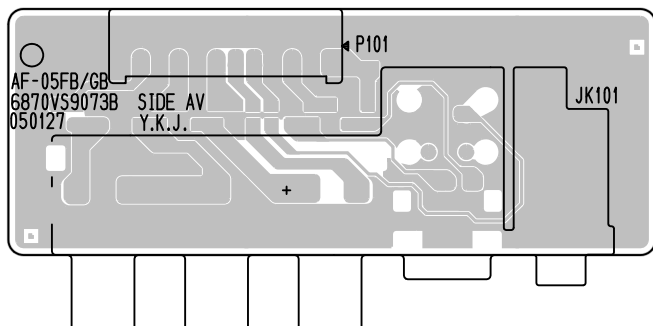


## MAIN ANALOG(BOTTOM)

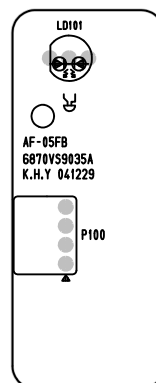


# PRINTED CIRCUIT BOARD

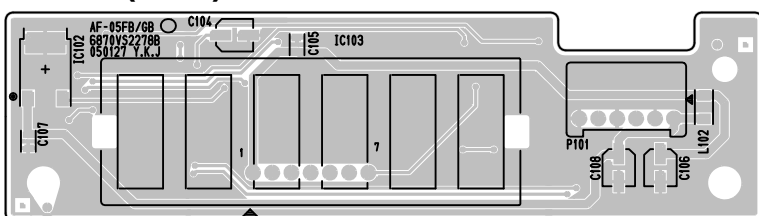
## SIDE A/V



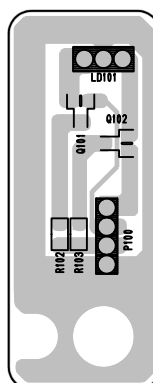
## POWER LED(TOP)



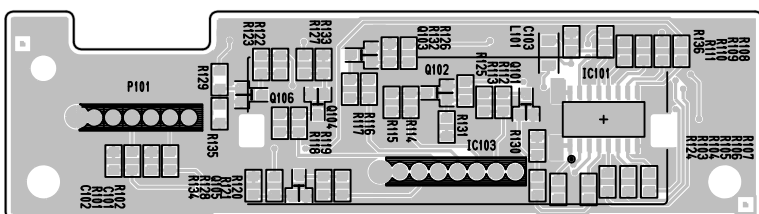
## INDEX(TOP)



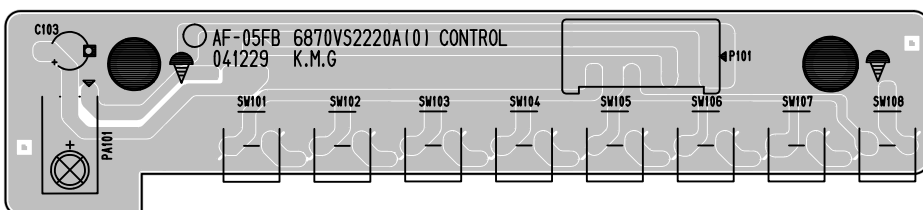
## POWER LED(BOTTOM)



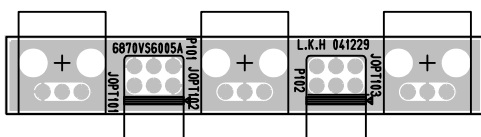
## INDEX(BOTTOM)



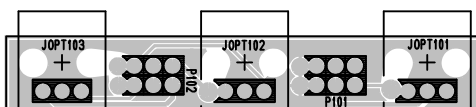
## CONTROL



## SPDIF(TOP)



## SPDIF(BOTTOM)



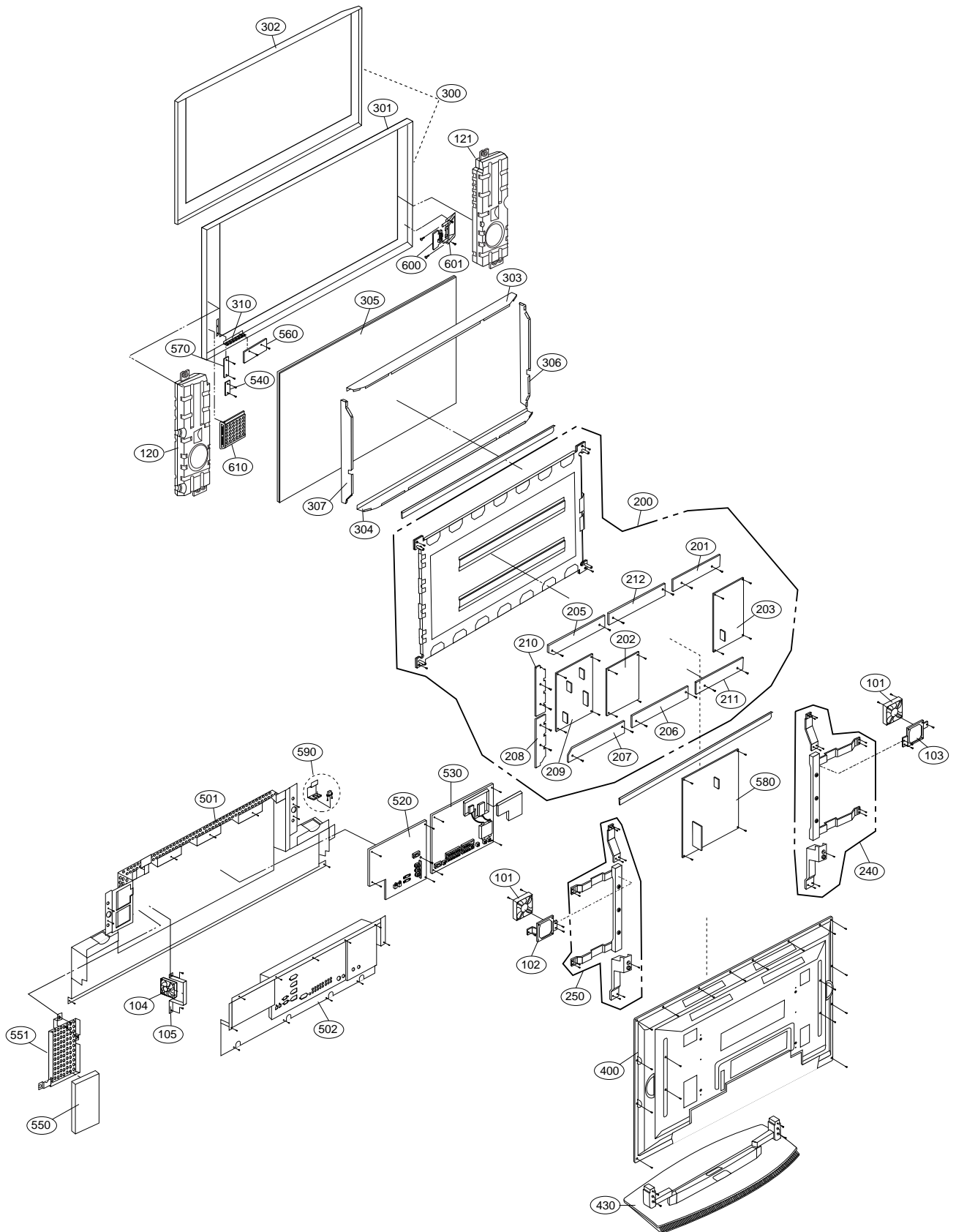
[illegible]

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# EXPLODED VIEW



## EXPLODED VIEW PARTS LIST

No.	Part No.	Description
101	5900V12003B	FAN,DC D12025S SDS 120MM*120MM*25MM 12V/0.2A 1300 5V-13.2V RPM
102	4980V01017A	SUPPORTER,FAN EGI RIGHT PDP DN-50PY10
103	4980V01018A	SUPPORTER,FAN EGI LEFT PDP DN-50PY10
104	5900V04010A	FAN,DC EFB0412LD-W147 DELTA 40*40*20 12V/0.05A 5000RPM 7.0-13.8VDC L=100MM
105	4980V00327B	SUPPORTER,FAN EGI 40*40*20,50PY20 PRESS
120	6401VD0024A	SPEAKER ASSEMBLY,FULL RANGE(R) NON RZ-42PX40 R
121	6401VD0025A	SPEAKER ASSEMBLY,FULL RANGE(L) NON RZ-42PX40 L
200	6348Q-C036H	PDP,50 16:9 1365*768 PDP50X20562.AKLG
201	6871QRH041C	PCB ASSEMBLY,DISPLAY XRRT ASSY 50X2A COF RESISTOR
202	6871QCH045A	PCB ASSEMBLY,DISPLAY CTRL ASSY 4023 50X2 FOR CI
203	6871QZH036B	PCB ASSEMBLY,DISPLAY ZSUS ASSY 50X2A 4LAYER
205	6871QLH035C	PCB ASSEMBLY,DISPLAY XRLT ASSY 50X2A COF RESISTOR
206	6871QXH025C	PCB ASSEMBLY,DISPLAY XRCB ASSY 50X2A COF RESISTOR
207	6871QLH036C	PCB ASSEMBLY,DISPLAY XRLB ASSY 50X2A COF RESISTOR
208	6871QDH081A	PCB ASSEMBLY,DISPLAY YDRV ASSY 50X2A YDRV_BT
209	6871QYH032B	PCB ASSEMBLY,DISPLAY YSUS ASSY 50X2A YSUS 4LAYER
210	6871QDH080A	PCB ASSEMBLY,DISPLAY YDRV ASSY 50X2A YDRV_TOP
211	6871QRH042C	PCB ASSEMBLY,DISPLAY XRRB ASSY 50X2A COF RESISTOR
212	6871QXH024C	PCB ASSEMBLY,DISPLAY XRCT ASSY 50X2A COF RESISTOR
240	4980V01195A	SUPPORTER ASSY,AL 50PX40 VERTICAL L X3
250	4980V01194A	SUPPORTER ASSY,AL 50PX40 VERTICAL R X3
300	3091V00740B	CABINET ASSEMBLY,DU-50PX41S NON NON NON
301	3090V00635A	CABINET,50PX40 PDP NON
302	3211V00186B	FRAME ASSEMBLY,FRONT DU-50PX41S NON
303	4980V01138B	SUPPORTER ASSY,AL FILTER TOP 50PX40
304	4980V01140B	SUPPORTER ASSY,AL FILTER BOT. 50PX40
305	5230V00017A	FILTER(MECH),LGM50-01 MITSUI 50 CLASS B GLASS FILTER
306	4980V01144B	SUPPORTER ASSY,AL FILTER SIDE(L) 50PX40
307	4980V01142B	SUPPORTER ASSY,AL FILTER SIDE(R) 50PX40
310	5020V01023B	BUTTON,CONTROL 50PX40 ABS, AF-303S 7KEY WHITE(8ABS020389)
400	3809V00515C	BACK COVER ASSEMBLY,TU-50PX42S NON NON
430	3501V00209A	BOARD ASSEMBLY,AP-50DX40 NON WITHOUT PACKING
501	3301V00086M	PLATE ASSEMBLY,AV 3300V00539 50PX4DR-UA TUNER BOTTOM
502	3301V00093A	PLATE ASSEMBLY,3300V00563 A/V PLATE TU-50PX42S
520	6871VMMT71D	PCB ASSEMBLY,MAIN AF-05FA 50PX4DR-UA DIGITAL B/D
530	6871VSMG76D	PCB ASSEMBLY,SUB TUNER AF05FA 50PX4DR-UA ANALOG ASSY
540	6871VSMS31A	PCB ASSEMBLY,SUB LED AF05GB DN-50PX40 POWER
550	6744B00040A	HDD,3.5 ST3160023AS SEAGATE 160GB SATA INNER DT ALL
551	4814V00535B	SHIELD ASSY,HDD, TN-50PY20 AF04HA EGI DVR
560	6871VSMS39A	PCB ASSEMBLY,SUB CONT AF05GA TN-42PX40X LOCAL KEY
570	6871VSMS37A	PCB ASSEMBLY,SUB LED AF05GB DN-50PX40 INDEX
580	6709V00002A	POWER SUPPLY ASSEMBLY,AF05GA 580W 1H257W SANKEN 50INCH HIGH END PSU
590	3141VSN930C	CHASSIS ASSEMBLY,SUB AF044B AC INLET
600	6871VSMT96A	PCB ASSEMBLY,SUB A/V AF05FB DU-50PX41S SIDE A/V
601	4811V00168C	BRACKET ASSEMBLY,SIDE AV 50PX40 NON DU-50PX41S
610	3141VSNJ22A	CHASSIS ASSEMBLY,SUB AF05FB DU-50PX41S EPF

# REPLACEMENT PARTS LIST

For Capacitor & Resistors, the characters at 2nd and 3rd digit in the P/No. means as follows;

CC, CX, CK, CN : Ceramic  
CQ : Polyester  
CE : Electrolytic

RD : Carbon Film  
RS : Metal Oxide Film  
RN : Metal Film  
RF : Fusible

RUN DATE : 2005.4.19

LOCA. NO	PART NO	DESCRIPTION	LOCA. NO	PART NO	DESCRIPTION
<b>IC</b>					
IC100	0IPRPBM001B	PPC405GPR-3JB266C CPU	IC205	0IMCRCY002A	CY2309SXC-1HT 16P R/TP 3.3V
IC1000	0IMCRSJ001B	SC1565IST-2.5TR 2.5V 1.5A 3P SOT-223	IC205	0IMCRSJ001A	SC1565IST-1.8 3P SOT223
IC1001	0ICTMLG017A	LGDT3502B LG IC 208P/PBGA	IC206	0IMCRFA010A	KA7809R, FAIRCHILD 2P D-PAK
IC1002	0IMCRFA013A	74LCX244MTC FAIRCHILD 20P	IC207	0IMCRSH001A	PQ05DZ1U SHARP 5
IC1003	0IMCRLT002A	LCT1470CS8 8P	IC208	0IMCRFA010A	KA7809R, FAIRCHILD 2P D-PAK
IC101	0IMI623200B	M62320FP 16P	IC209	0ISJ111733A	EZ1117CST-3.3 3P,SOT-223 TP 3.3V
IC101	0ISO206900A	CXA2069Q QFP64 BK I2C BUS AV S/W	IC210	0IPMGKE032A	KIA78R09F KEC 5PIN DPAK R/TP 1A,9V
IC101	0IMCRSJ001A	SC1565IST-1.8 3P SOT223	IC300	0IMCRPH026B	PA9516APW PHILIPS 16P
IC102	0IMCRFA015A	KA7805R FAIRCHILD 2P	IC300	0IMCRSO025A	CXA2181Q SONY 48P
IC1100	0IMCR02014A	TSB43DA42AZHCR 196P/BGA	IC301	0IMCRAL021A	AT24C512W-10SI-2.7 8P
IC1101	0IPMG00028A	AZ1117H-1.5TRE1 BCD 3P/SOT-223	IC302	0IMMRHY038C	HY57V561620CT-H 54PIN
IC111	0IMCRMN027D	MSP4440K MICRONAS 80P	IC302	0ITK118100B	TK11840L 8P SOT23L
IC112	0IMMRAL014B	AT24C02N-10SI-2.7 ATMEL 8P	IC303	0IMMRHY038C	HY57V561620CT-H 54PIN
IC1200	0IMCRMP007A	PIC18F242T-I/SO 18P	IC304	0ICTM00006A	LGDT3701 128P/TQFP
IC1201	0IMCRMT003A	MM1108XFFE 8P	IC305	0IPRP00538A	FSA1156P6X-NL 6P/MAA06A
IC1202	0IMO744053B	MC74HC4053DW 16SOP 3*2CH.MUX	IC400	0IMCRSJ001A	SC1565IST-1.8 3P SOT223
IC1203	0IPMGNS026A	LM311MX 8P	IC401	0ICTMLG009C	LGDT1102C HD2.3 SBGA-432P
IC1204	0IMCRMP006A	PIC18F1220T-I/SO 28P	IC402	0IMCRTI028C	TAS5122DCARG4 56P/TSSOP
IC1301	0IMCRSJ001A	SC1565IST-1.8 3P SOT223	IC405	0IMCRAL006A	AT24C16AN-10SI-2.7 ATMEL 8P
IC1302	0IMCRTH002A	THC63LVD103 64P	IC406	0IKE704200J	KIA7042AF SOT-89 TP 4.2V
IC1305	0ICTMLG018B	LGDP4411 IEP2 LG IC 176P	IC500	0IMMRSS041F	K4S641632H-UC60 54P
IC1400	0ICTMLG011A	LGDT1303 LG IC 324PIN	IC501	0IMMRSS041F	K4S641632H-UC60 54P
IC1500	0IMCR02015A	SII3512ECTU128 128P/TQFP	IC502	0IMMRSS041F	K4S641632H-UC60 54P
IC1501	0IMMRSS041F	K4S641632H-UC60 54P	IC503	0IMMRSS041F	K4S641632H-UC60 54P
IC1502	0IMCRSJ001A	SC1565IST-1.8 3P SOT223	IC504	0IMCRCY001A	CY2305SXC-1HT CYPRESS SOIC 8P
IC1600	0IMCRSJ001A	SC1565IST-1.8 3P SOT223	IC504	0IMCRTI035A	TL592B-8DR 8P
IC1601	0ILNRBR001A	BCM7040 176	IC505	0ICTMLG013A	LGDT1901A LG IC 24P
IC1602	0IMMRHY025C	HY57V643220DT-6 86P/TSOP	IC506	0IMCRFA004A	KA2904DTF FAIRCHILD 8SOP R/TP OP-AMP
IC1603	0ISTLPH051A	74LVC257APW 16P	IC508	0IMCRFA010A	KA7809R, FAIRCHILD 2P D-PAK
IC1700	0IMI623200B	M62320FP 16P	IC600	0IMCRFA013A	74LCX244MTC FAIRCHILD 20P
IC1701	0IPRPNS054A	LM75CIMX-3 8P/SOP	IC601	0ICB533100A	CS5331A-KSR 8SOIC TP ADC -
IC1702	0IPMGKE032A	KIA78R09F KEC 5PIN	IC601	0IPRPNE008A	UPD64011BGM-8ED-A NEC 160
IC1703	0IPMGKE032A	KIA78R09F KEC 5PIN	IC602	0ISS416162D	K4S161622H-UC80 50P
IC1704	0IMCRSJ001B	SC1565IST-2.5TR 2.5V 1.5A 3P SOT-223	IC602	0IMO330780B	MC33078D 8/SOIC TP LINEAR +-18V OP AMP
IC1705	0IPMGKE032A	KIA78R09F KEC 5PIN DPAK R/TP 1A,9V	IC603	0IPRPNE008A	UPD64011BGM-8ED-A 160
IC1706	0IMCRSH001A	PQ05DZ1U SHARP 5	IC603	0ITO741570C	TC74LCX157FT 16P
IC1707	0IMCRSH001A	PQ05DZ1U SHARP 5	IC604	0ICB841500B	CS8415A-CZR 28P
IC200	0IKE702900G	KIA7029AF SOT-89 TP 2.9V	IC604	0ISS416162D	K4S161622H-UC80 50P
IC200	0IMCRMN027D	MSP4440K MICRONAS 80P	IC605	0IPMGKE032A	KIA78R09F KEC 5PIN DPAK R/TP 1A,9V
IC201	0ILNR00015A	NSP-2100A 64P	IC606	0IPMGSG018C	LD1086DT15TR SGS-THOMSON 2P
IC201	0ISTLPH026A	74LVC14APW 14PIN	IC607	0IPRPFA015A	FMS6410CSX-NL(PB-FREE) 8P
IC202	0IMCRFA013A	74LCX244MTC 20P	IC608	0IPRPFA015A	FMS6410CSX-NL(PB-FREE) 8P
IC203	0IMCRXL004A	XC95288XL-10TQG144C 144P	IC800	0IPRPS0006A	SIL9021CTU(PB FREE) 144P
IC203	0IMCRSH001A	PQ05DZ1U SHARP 5	IC801	0IMCRAD002A	AD9883AKST-110 80P
IC204	0IMCRCY001A	CY2305SXC-1HT 8P R/TP 3.3V	IC802	0ISJ111733A	EZ1117CST-3.3 3P,SOT-223 TP 3.3V
IC204	0IMCRSJ001A	SC1565IST-1.8 3P SOT223	IC804	0IMMRAL014B	AT24C02N-10SI-2.7 8P
			IC805	0IPRPFA016A	FMS6407MTC20X-NL(PB-FREE) 20P
			IC808	0IMMRAL014B	AT24C02N-10SI-2.7 ATMEL 8P



# REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION	LOCA. NO	PART NO	DESCRIPTION
IC809	0IMCRSJ001A	SC1565IST-1.8 SEMTECH 3P SOT223	Q176	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
IC900	0IMCRXL003B	XC95144XL-10TQG144C 144P	Q177	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
IC901	0IID741632A	74FCT163244CPA 48P	Q201	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC
IC902	0IMCRSG010A	ST3232CDR 16 R/TP RS232	Q202	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC
IC903	0IMO744053B	MC74HC4053DW 16SOP 3*2CH.MUX	Q203	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC
<b>TRANSISTOR</b>			Q204	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC
IC407	0TR830009BA	BSS83	Q205	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
IC408	0TR830009BA	BSS83	Q206	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q101	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC	Q207	0TR102008AA	KRA102S R/TP KEC SOT23 CHIP TR
Q101	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC	Q208	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q102	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC	Q209	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q102	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC	Q301	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q102	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC	Q302	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q103	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC	Q303	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC
Q104	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC	Q305	0TRKE80038A	KTC3552T-RTK SOT-23F 50V 3A
Q105	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC	Q306	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q106	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC	Q307	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC
Q119	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC	Q601	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC
Q120	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC	Q602	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC
Q1200	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC	Q603	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC
Q1201	0TR390609DC	2N3906S-RTK TP KEC SOT23	Q604	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC
Q1204	0TR390609DC	2N3906S-RTK TP KEC SOT23	Q6603	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC
Q1205	0TRKE80046A	2N3904S SOT23 60V 200MA	Q6604	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC
Q121	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC	Q6607	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC
Q122	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC	Q6608	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC
Q123	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC	Q6609	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC
Q124	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC	Q800	0TR102009AG	CHIP KRC102S KEC TP SOT-23
Q125	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC	Q801	0TR102009AG	CHIP KRC102S KEC TP SOT-23
Q126	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC	Q803	0TR830009BA	BSS83
Q127	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC	Q804	0TR830009BA	BSS83
Q148	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC	Q805	0TR830009BA	BSS83
Q149	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC	Q806	0TR830009BA	BSS83
Q150	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC	Q807	0TR830009BA	BSS83
Q151	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC	Q808	0TR830009BA	BSS83
Q152	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC	<b>DIODE</b>		
Q153	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC	D111	0DZRM00248A	ZENERS,RLZ8.2B-TE11
Q154	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC	D1200	0DD184009AA	KDS184 TP KEC - 85V - 300MA
Q155	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC	D1201	0DD184009AA	KDS184 TP KEC - 85V - 300MA
Q156	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC	D1202	0DRSE00038A	SDC15 TVS SOT23 12.8V
Q157	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC	D1203	0DRSE00038A	SDC15 TVS SOT23 12.8V
Q158	0TR150400BA	CHIP 2SA1504S(ASY) BK KEC	D1204	0DRSE00038A	SDC15 TVS SOT23 12.8V
Q159	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC	D200	0DD184009AA	KDS184 TP KEC - 85V - 300MA
Q160	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC	D204	0DZRM00248A	,ZENERS,RLZ8.2B-TE11
Q161	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC	D301	0DD184009AA	KDS184 TP KEC - 85V - 300MA
Q162	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC	D505	0DD184009AA	KDS184 TP KEC - 85V - 300MA
Q163	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC	D506	0DD184009AA	KDS184 TP KEC - 85V - 300MA
Q164	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC	D800	0DD184009AA	KDS184 TP KEC - 85V - 300MA
Q165	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC	D801	0DD184009AA	KDS184 TP KEC - 85V - 300MA
Q166	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC	D900	0DRSE00038A	SDC15 TVS SOT23 12.8V
Q167	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC	D901	0DRSE00038A	SDC15 TVS SOT23 12.8V
Q175	0TR387500AA	CHIP 2SC3875S(ALY) BK KEC			

# REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION	LOCA. NO	PART NO	DESCRIPTION
IC103	6301V00004A	LED ASSEMBLY	C1213	0CE476SF6DC	47UF MVG 16V 20%
LD101	0DL200000CA	LED,SAM5670(DL-2LRG)	C1214	0CK105DF64A	1UF 2012 16V 20% R/TP F(Y5V)
LED150	0DL233309AC	LED,SAM2333	C1216	0CK102CK56A	1000PF 1608 50V 0.1
LED170	0DL233309AC	LED,SAM2333	C1216	0CE476SF6DC	47UF MVG 16V 20%
LED301	0DL233309AC	LED,SAM2333	C1218	0CE335WK6D8	3.3UF MVK,RC 50V 20%
LED302	0DL233309AC	LED,SAM2333	C1219	0CC101CK41A	100PF 1608 50V 5%
LED901	0DL233309AC	LED,SAM2333	C1219	0CE476SF6DC	47UF MVG 16V 20%
<b>CAPACITOR</b>			C1220	0CC101CK41A	100PF 1608 50V 5%
C100	0CS335EFKDC	3.3UF 3216 16V 20%,-20%	C1221	0CC101CK41A	100PF 1608 50V 5%
C1003	0CE336SH6DC	33UF MVG 25V 20%	C1221	0CE476SF6DC	47UF MVG 16V 20%
C101	0CE225WK6DC	2.2UF MVK,RC 50V 20%	C1224	0CC101CK41A	100PF 1608 50V 5%
C1015	0CC200CK41A	20PF 1608 50V 5%	C1225	0CK220CK4DA	22PF 1608 50V 5%
C1018	0CC200CK41A	20PF 1608 50V 5%	C1226	0CK220CK4DA	22PF 1608 50V 5%
C102	0CK103CK56A	0.01UF 1608 50V 10%	C1227	0CC180CKH1A	18PF 1608 50V 5%
C103	0CE4763F618	47UF SRE,SE 16V 20%	C1228	0CK220CK4DA	22PF 1608 50V 5%
C103	0CE106WFKDC	10UF MVK 16V 20%,-20%	C1229	0CC180CKH1A	18PF 1608 50V 5%
C104	0CE225WK6DC	2.2UF MVK,RC 50V 20%	C123	0CE106WFKDC	10UF MVK 16V 20%,-20%
C104	0CE106WFKDC	10UF MVK 16V 20%,-20%	C1230	0CC330CK41A	33PF 1608 50V 5%
C104	0CE106SF6DC	10UF MVG 16V 20%	C1231	0CC330CK41A	33PF 1608 50V 5%
C1041	0CE336SH6DC	33UF MVG 25V 20%	C1232	0CC330CK41A	33PF 1608 50V 5%
C1042	0CE336SH6DC	33UF MVG 25V 20%	C1242	0CE108EJK18	1000UF KMG,RD 35V 20%,-20%
C106	0CE106VF6DC	10UF MV 16V 20%	C1255	0CE476SF6DC	47UF MVG 16V 20%
C106	0CE106SF6DC	10UF MVG 16V 20%	C1258	0CE108EJK18	1000UF KMG,RD 35V 20%,-20%
C108	0CE106SF6DC	10UF MVG 16V 20%	C126	0CE336SD6DC	33UF MVG 10V 20%
C1100	0CE106WFKDC	10UF MVK 16V 20%,-20%	C1264	0CE476SF6DC	47UF MVG 16V 20%
C1107	0CE106WFKDC	10UF MVK 16V 20%,-20%	C1266	0CE476SF6DC	47UF MVG 16V 20%
C1115	0CE106WFKDC	10UF MVK 16V 20%,-20%	C1269	0CE107WF6DC	100UF MVK 16V 20%
C1118	0CE106WFKDC	10UF MVK 16V 20%,-20%	C1273	0CE476SF6DC	47UF MVG 16V 20%
C1121	0CC180CKH1A	18PF 1608 50V 5%	C1277	0CE477SF6DC	470UF MVG 16V 20%
C1122	0CC180CKH1A	18PF 1608 50V 5%	C1279	0CE107WF6DC	100UF MVK 16V 20%
C1124	0CE476SF6DC	47UF MVG 16V 20%	C1321	0CE476SF6DC	47UF MVG 16V 20%
C1125	0CE476SF6DC	47UF MVG 16V 20%	C1322	0CE476SF6DC	47UF MVG 16V 20%
C1127	0CC221CK41A	220PF 1608 50V 5%	C1324	0CK103CK56A	0.01UF 1608 50V 10%
C1128	0CC221CK41A	220PF 1608 50V 5%	C1325	0CE476SF6DC	47UF MVG 16V 20%
C113	0CE106WFKDC	10UF MVK 16V 20%,-20%	C1327	0CE106WFKDC	10UF MVK 16V 20%,-20%
C114	0CE106WFKDC	10UF MVK 16V 20%,-20%	C1331	0CK102CK56A	1000PF 1608 50V 0.1
C118	0CE105WK6DC	1UF MVK 50V 20%	C1334	0CE106WFKDC	10UF MVK 16V 20%,-20%
C1200	0CE226SF6DC	22UF MVG 16V 20%	C1335	0CK102CK56A	1000PF 1608 50V 0.1
C1200	0CE475SK6DC	4.7UF MVG 50V 20%	C1339	0CE106WFKDC	10UF MVK 16V 20%,-20%
C1201	0CE475SK6DC	4.7UF MVG 50V 20%	C1344	0CE476SF6DC	47UF MVG 16V 20%
C1202	0CC200CK41A	20PF 1608 50V 5%	C1345	0CE476SF6DC	47UF MVG 16V 20%
C1203	0CK392CK56A	3900PF 1608 50V 10%	C1363	0CK106EF56A	10UF 3216 16V 10%
C1203	0CE106WFKDC	10UF MVK 16V 20%,-20%	C1405	0CE106WFKDC	10UF MVK 16V 20%,-20%
C1203	0CE226SF6DC	22UF MVG 16V 20%	C1419	0CE106WFKDC	10UF MVK 16V 20%,-20%
C1205	0CC200CK41A	20PF 1608 50V 5%	C144	0CE105WK6DC	1UF MVK 50V 20%
C1206	0CC561CK41A	560PF 1608 50V 5%	C148	0CE226SF6DC	22UF MVG 16V 20%
C1208	0CC561CK41A	560PF 1608 50V 5%	C149	0CE226SF6DC	22UF MVG 16V 20%
C1209	0CE475SK6DC	4.7UF MVG 50V 20%	C150	0CE476SF6DC	47UF MVG 16V 20%
C1210	0CC471CK41A	470PF 1608 50V 5%	C1513	0CE106WFKDC	10UF MVK 16V 20%,-20%
C1211	0CK271CK46A	270PF 1608 50V 5%	C1515	0CC270CK41A	27PF 1608 50V 5%
			C1516	0CC270CK41A	27PF 1608 50V 5%

# REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION	LOCA. NO	PART NO	DESCRIPTION
C1517	0CK103CK56A	0.01UF 1608 50V 10%	C1740	0CE476SF6DC	47UF MVG 16V 20%
C1518	0CK103CK56A	0.01UF 1608 50V 10%	C1742	0CE476SF6DC	47UF MVG 16V 20%
C1519	0CK103CK56A	0.01UF 1608 50V 10%	C175	0CE108EJK18	1000UF KMG,RD 35V 20%,-20%
C152	0CE107WF6DC	100UF MVK 16V 20%	C186	0CF4741L438	0.47UF D 63V 5%
C1520	0CK103CK56A	0.01UF 1608 50V 10%	C190	0CF4741L438	0.47UF D 63V 5%
C1529	0CE106WFKDC	10UF MVK 16V 20%,-20%	C202	0CE106WFKDC	10UF MVK 16V 20%,-20%
C1529	0CE336SD6DC	33UF MVG 10V 20%	C203	0CE106WFKDC	10UF MVK 16V 20%,-20%
C1534	0CE226SF6DC	22UF MVG 16V 20%	C205	0CE476SF6DC	47UF MVG 16V 20%
C1537	0CE106WFKDC	10UF MVK 16V 20%,-20%	C207	0CE477EK630	470UF KMG 50V 20%
C1539	0CK103CK56A	0.01UF 1608 50V 10%	C212	0CE477SF6DC	470UF MVG 16V 20%
C1540	0CK103CK56A	0.01UF 1608 50V 10%	C213	0CE477SF6DC	470UF MVG 16V 20%
C1541	0CK103CK56A	0.01UF 1608 50V 10%	C214	0CE477SF6DC	470UF MVG 16V 20%
C1542	0CK103CK56A	0.01UF 1608 50V 10%	C215	0CE477EK630	470UF KMG 50V 20%
C158	0CE105WK6DC	1UF MVK 50V 20%	C216	0CE227WF6DC	220UF MVK 16V 20%
C1600	0CE106WFKDC	10UF MVK 16V 20%,-20%	C216	0CE477SF6DC	470UF MVG 16V 20%
C1606	0CE226SF6DC	22UF MVG 16V 20%	C217	0CE477SF6DC	470UF MVG 16V 20%
C1607	0CK102CK56A	1000PF 1608 50V 0.1	C219	0CE226SF6DC	22UF MVG 16V 20%
C1608	0CE106WFKDC	10UF MVK 16V 20%,-20%	C223	0CE477SF6DC	470UF MVG 16V 20%
C1609	0CK102CK56A	1000PF 1608 50V 0.1	C224	0CE107WF6DC	100UF MVK 16V 20%
C161	0CE105WK6DC	1UF MVK 50V 20%	C226	0CC100CK11A	10PF 1608 50V 0.5 PF
C1611	0CK102CK56A	1000PF 1608 50V 0.1	C227	0CC100CK11A	10PF 1608 50V 0.5 PF
C1612	0CK102CK56A	1000PF 1608 50V 0.1	C232	0CE476SF6DC	47UF MVG 16V 20%
C1613	0CK102CK56A	1000PF 1608 50V 0.1	C233	0CE476SF6DC	47UF MVG 16V 20%
C1616	0CE106WFKDC	10UF MVK 16V 20%,-20%	C234	0CE107WF6DC	100UF MVK 16V 20%
C162	0CE225WK6DC	2.2UF MVK,RC 50V 20%	C235	0CE476SF6DC	47UF MVG 16V 20%
C1620	0CC100CK11A	10PF 1608 50V 0.5 PF	C236	0CE476SF6DC	47UF MVG 16V 20%
C1622	0CE106WFKDC	10UF MVK 16V 20%,-20%	C244	0CE477SF6DC	470UF MVG 16V 20%
C163	0CE225WK6DC	2.2UF MVK,RC 50V 20%	C245	0CE477SF6DC	470UF MVG 16V 20%
C1634	0CC100CK11A	10PF 1608 50V 0.5 PF	C247	0CE476SF6DC	47UF MVG 16V 20%
C1635	0CC100CK11A	10PF 1608 50V 0.5 PF	C251	0CE476SF6DC	47UF MVG 16V 20%
C168	0CK105DF64A	1UF 2012 16V 20% R/TP F(Y5V)	C253	0CE476SF6DC	47UF MVG 16V 20%
C1703	0CE477SF6DC	470UF MVG 16V 20%	C254	0CE476SF6DC	47UF MVG 16V 20%
C1704	0CE477SF6DC	470UF MVG 16V 20%	C255	0CE476SF6DC	47UF MVG 16V 20%
C1705	0CE477SF6DC	470UF MVG 16V 20%	C260	0CE476SF6DC	47UF MVG 16V 20%
C1706	0CE477SF6DC	470UF MVG 16V 20%	C266	0CE107WF6DC	100UF MVK 16V 20%
C1707	0CE477SF6DC	470UF MVG 16V 20%	C269	0CE107WF6DC	100UF MVK 16V 20%
C1708	0CE477SF6DC	470UF MVG 16V 20%	C270	0CE476SF6DC	47UF MVG 16V 20%
C171	0CK105DF64A	1UF 2012 16V 20% R/TP F(Y5V)	C272	0CE476SF6DC	47UF MVG 16V 20%
C1712	0CE476SF6DC	47UF MVG 16V 20%	C274	0CE226SF6DC	22UF MVG 16V 20%
C1713	0CE476SF6DC	47UF MVG 16V 20%	C280	0CE335WK6D8	3.3UF MVK,RC 50V 20%
C1718	0CE476SF6DC	47UF MVG 16V 20%	C295	0CE335WK6D8	3.3UF MVK,RC 50V 20%
C1719	0CE476SF6DC	47UF MVG 16V 20%	C297	0CE107WF6DC	100UF MVK 16V 20%
C172	0CE106SK6DC	10UF MVG 50V 20%	C298	0CE106WFKDC	10UF MVK 16V 20%,-20%
C1720	0CE477SF6DC	470UF MVG 16V 20%	C299	0CE106WFKDC	10UF MVK 16V 20%,-20%
C1722	0CE477SF6DC	470UF MVG 16V 20%	C309	0CE476SF6DC	47UF MVG 16V 20%
C1728	0CE476WH6DC	47UF MVK 25V 20%	C310	0CE476SF6DC	47UF MVG 16V 20%
C1729	0CE476SF6DC	47UF MVG 16V 20%	C319	0CE476SF6DC	47UF MVG 16V 20%
C1731	0CE477SF6DC	470UF MVG 16V 20%	C324	0CE106WFKDC	10UF MVK 16V 20%,-20%
C1734	0CE477SF6DC	470UF MVG 16V 20%	C326	0CE476SF6DC	47UF MVG 16V 20%
C1735	0CE227WF6DC	220UF MVK 16V 20%	C338	0CE476SF6DC	47UF MVG 16V 20%
C1738	0CE227WF6DC	220UF MVK 16V 20%	C343	0CE335WK6D8	3.3UF MVK,RC 50V 20%

# REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION	LOCA. NO	PART NO	DESCRIPTION
C345	0CE225WK6DC	2.2UF MVK,RC 50V 20%	C584	0CE226SF6DC	22UF MVG 16V 20%
C358	0CE476SF6DC	47UF MVG 16V 20%	C591	0CE335WK6D8	3.3UF MVK,RC 50V 20%
C360	0CE476SF6DC	47UF MVG 16V 20%	C600	0CK103CK56A	0.01UF 1608 50V 10%
C364	0CE106WFKDC	10UF MVK 16V 20%,-20%	C600	0CE335WK6D8	3.3UF MVK,RC 50V 20%
C370	0CK105DF64A	1UF 2012 16V 20% R/TP F(Y5V)	C601	0CE226SF6DC	22UF MVG 16V 20%
C375	0CE106SH6DC	10UF MVG 25V 20%	C6015	0CE476SF6DC	47UF MVG 16V 20%
C383	0CE476SF6DC	47UF MVG 16V 20%	C6017	0CE106WFKDC	10UF MVK 16V 20%,-20%
C400	0CE226SF6DC	22UF MVG 16V 20%	C602	0CE107WF6DC	100UF MVK 16V 20%
C403	0CE336SD6DC	33UF MVG 10V 20%	C602	0CE226SF6DC	22UF MVG 16V 20%
C408	0CE476SF6DC	47UF MVG 16V 20%	C603	0CC470CK41A	47PF 1608 50V 5%
C412	0CE476SF6DC	47UF MVG 16V 20%	C603	0CE106WFKDC	10UF MVK 16V 20%,-20%
C415	0CE476SF6DC	47UF MVG 16V 20%	C6034	0CE226SF6DC	22UF MVG 16V 20%
C419	0CK105DF64A	1UF 2012 16V 20% R/TP F(Y5V)	C6036	0CE226SF6DC	22UF MVG 16V 20%
C422	0CE476SF6DC	47UF MVG 16V 20%	C6038	0CE226SF6DC	22UF MVG 16V 20%
C427	0CE476SF6DC	47UF MVG 16V 20%	C604	0CE106WFKDC	10UF MVK 16V 20%,-20%
C433	0CE106WFKDC	10UF MVK 16V 20%,-20%	C6040	0CE226SF6DC	22UF MVG 16V 20%
C434	0CE106WFKDC	10UF MVK 16V 20%,-20%	C6049	0CE226SF6DC	22UF MVG 16V 20%
C436	0CE106WFKDC	10UF MVK 16V 20%,-20%	C605	0CE107WF6DC	100UF MVK 16V 20%
C438	0CE106WFKDC	10UF MVK 16V 20%,-20%	C6054	0CE106WFKDC	10UF MVK 16V 20%,-20%
C439	0CE106WFKDC	10UF MVK 16V 20%,-20%	C609	0CE226SF6DC	22UF MVG 16V 20%
C440	0CE106WFKDC	10UF MVK 16V 20%,-20%	C610	0CE107WF6DC	100UF MVK 16V 20%
C441	0CE106WFKDC	10UF MVK 16V 20%,-20%	C611	0CC470CK41A	47PF 1608 50V 5%
C443	0CE106WFKDC	10UF MVK 16V 20%,-20%	C612	0CE226SF6DC	22UF MVG 16V 20%
C444	0CE106WFKDC	10UF MVK 16V 20%,-20%	C613	0CE226SF6DC	22UF MVG 16V 20%
C445	0CE106WFKDC	10UF MVK 16V 20%,-20%	C614	0CK103CK56A	0.01UF 1608 50V 10%
C446	0CE106WFKDC	10UF MVK 16V 20%,-20%	C616	0CE476SF6DC	47UF MVG 16V 20%
C448	0CE106WFKDC	10UF MVK 16V 20%,-20%	C618	0CE476SF6DC	47UF MVG 16V 20%
C459	0CE106WFKDC	10UF MVK 16V 20%,-20%	C619	0CK472CK56A	4700PF 1608 50V 10%
C460	0CK103CK56A	0.01UF 1608 50V 10%	C620	0CE106WFKDC	10UF MVK 16V 20%,-20%
C460	0CE107WF6DC	100UF MVK 16V 20%	C621	0CK103CK56A	0.01UF 1608 50V 10%
C461	0CK103CK56A	0.01UF 1608 50V 10%	C624	0CK103CK56A	0.01UF 1608 50V 10%
C462	0CK103CK56A	0.01UF 1608 50V 10%	C625	0CK103CK56A	0.01UF 1608 50V 10%
C463	0CK103CK56A	0.01UF 1608 50V 10%	C627	0CK103CK56A	0.01UF 1608 50V 10%
C468	0CE107WF6DC	100UF MVK 16V 20%	C6605	0CE226SF6DC	22UF MVG 16V 20%
C472	0CE105WK6DC	1UF MVK 50V 20%	C6608	0CE226SF6DC	22UF MVG 16V 20%
C477	0CE105WK6DC	1UF MVK 50V 20%	C6609	0CE107WF6DC	100UF MVK 16V 20%
C483	0CE107WF6DC	100UF MVK 16V 20%	C6611	0CE226SF6DC	22UF MVG 16V 20%
C486	0CE226SF6DC	22UF MVG 16V 20%	C6613	0CE106WFKDC	10UF MVK 16V 20%,-20%
C488	0CE226SF6DC	22UF MVG 16V 20%	C6615	0CE226SF6DC	22UF MVG 16V 20%
C490	0CE106WFKDC	10UF MVK 16V 20%,-20%	C6617	0CE226SF6DC	22UF MVG 16V 20%
C492	0CE105WK6DC	1UF MVK 50V 20%	C6634	0CE107WF6DC	100UF MVK 16V 20%
C504	0CE476WK6DC	47UF MVK 50V 20%	C6660	0CE476SF6DC	47UF MVG 16V 20%
C508	0CE476SF6DC	47UF MVG 16V 20%	C6700	0CE476SF6DC	47UF MVG 16V 20%
C513	0CE226SF6DC	22UF MVG 16V 20%	C6703	0CE476SF6DC	47UF MVG 16V 20%
C519	0CE106WFKDC	10UF MVK 16V 20%,-20%	C6706	0CE106SK6DC	10UF MVG 50V 20%
C522	0CE226SF6DC	22UF MVG 16V 20%	C6710	0CE106SK6DC	10UF MVG 50V 20%
C537	0CE477SF6DC	470UF MVG 16V 20%	C8001	0CK102CK56A	1000PF 1608 50V 0.1
C538	0CE106WFKDC	10UF MVK 16V 20%,-20%	C8002	0CK102CK56A	1000PF 1608 50V 0.1
C539	0CE107WF6DC	100UF MVK 16V 20%	C8003	0CK102CK56A	1000PF 1608 50V 0.1
C541	0CE226SF6DC	22UF MVG 16V 20%	C8004	0CK102CK56A	1000PF 1608 50V 0.1
C554	0CE105WK6DC	1UF MVK 50V 20%	C8005	0CE106WFKDC	10UF MVK 16V 20%,-20%

# REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION
C8007	0CK103CK56A	0.01UF 1608 50V 10%
C8008	0CC180CKH1A	18PF 1608 50V 5%
C8009	0CC180CKH1A	18PF 1608 50V 5%
C8010	0CK102CK56A	1000PF 1608 50V 0.1
C8013	0CK103CK56A	0.01UF 1608 50V 10%
C8014	0CK102CK56A	1000PF 1608 50V 0.1
C8015	0CK102CK56A	1000PF 1608 50V 0.1
C8016	0CK102CK56A	1000PF 1608 50V 0.1
C8017	0CK102CK56A	1000PF 1608 50V 0.1
C8018	0CK102CK56A	1000PF 1608 50V 0.1
C8019	0CK102CK56A	1000PF 1608 50V 0.1
C8024	0CE106WFKDC	10UF MVK 16V 20%,-20%
C8025	0CE106WFKDC	10UF MVK 16V 20%,-20%
C8026	0CK102CK56A	1000PF 1608 50V 0.1
C8028	0CK102CK56A	1000PF 1608 50V 0.1
C8029	0CK103CK56A	0.01UF 1608 50V 10%
C803	0CE106WFKDC	10UF MVK 16V 20%,-20%
C8030	0CK103CK56A	0.01UF 1608 50V 10%
C8031	0CE106WFKDC	10UF MVK 16V 20%,-20%
C8034	0CE106WFKDC	10UF MVK 16V 20%,-20%
C8036	0CK102CK56A	1000PF 1608 50V 0.1
C8037	0CK102CK56A	1000PF 1608 50V 0.1
C8038	0CK102CK56A	1000PF 1608 50V 0.1
C8040	0CK102CK56A	1000PF 1608 50V 0.1
C8041	0CK102CK56A	1000PF 1608 50V 0.1
C8042	0CK102CK56A	1000PF 1608 50V 0.1
C8047	0CE106WFKDC	10UF MVK 16V 20%,-20%
C8052	0CK102CK56A	1000PF 1608 50V 0.1
C8053	0CK102CK56A	1000PF 1608 50V 0.1
C8054	0CK102CK56A	1000PF 1608 50V 0.1
C8055	0CK102CK56A	1000PF 1608 50V 0.1
C8056	0CK102CK56A	1000PF 1608 50V 0.1
C8057	0CK102CK56A	1000PF 1608 50V 0.1
C8058	0CK102CK56A	1000PF 1608 50V 0.1
C8059	0CK102CK56A	1000PF 1608 50V 0.1
C806	0CK102CK56A	1000PF 1608 50V 0.1
C8060	0CK102CK56A	1000PF 1608 50V 0.1
C8061	0CK102CK56A	1000PF 1608 50V 0.1
C8062	0CE106WFKDC	10UF MVK 16V 20%,-20%
C8063	0CK103CK56A	0.01UF 1608 50V 10%
C8064	0CK103CK56A	0.01UF 1608 50V 10%
C8068	0CE106WFKDC	10UF MVK 16V 20%,-20%
C8070	0CE226SF6DC	22UF MVG 16V 20%
C8073	0CE336SD6DC	33UF MVG 10V 20%
C8075	0CE226SF6DC	22UF MVG 16V 20%
C814	0CE106WFKDC	10UF MVK 16V 20%,-20%
C815	0CE106WFKDC	10UF MVK 16V 20%,-20%
C818	0CK473CH56A	0.047UF 1608 25V 10%
C819	0CK473CH56A	0.047UF 1608 25V 10%
C820	0CK473CH56A	0.047UF 1608 25V 10%
C822	0CC221CK41A	220PF 1608 50V 5%

LOCA. NO	PART NO	DESCRIPTION
C824	0CE226SF6DC	22UF MVG 16V 20%
C825	0CE226SF6DC	22UF MVG 16V 20%
C843	0CK823CF56A	82NF 1608 16V 10%
C849	0CK822CK46A	8.2NF 1608 50V 5%
C863	0CC470CK41A	47PF 1608 50V 5%
C874	0CE226SF6DC	22UF MVG 16V 20%
C883	0CE226SF6DC	22UF MVG 16V 20%
C885	0CE106WFKDC	10UF MVK 16V 20%,-20%
C889	0CE106WFKDC	10UF MVK 16V 20%,-20%
C892	0CE106WFKDC	10UF MVK 16V 20%,-20%
C893	0CE106WFKDC	10UF MVK 16V 20%,-20%
C898	0CK102CK56A	1000PF 1608 50V 0.1
C899	0CK102CK56A	1000PF 1608 50V 0.1
C920	0CC221CK41A	220PF 1608 50V 5%
C921	0CC221CK41A	220PF 1608 50V 5%
C923	0CC331CK41A	330PF 1608 50V 5%
C925	0CK334CF56A	0.33UF 1608 16V 10%
C926	0CK334CF56A	0.33UF 1608 16V 10%
C927	0CK334CF56A	0.33UF 1608 16V 10%
C928	0CK334CF56A	0.33UF 1608 16V 10%
C929	0CK473CH56A	0.047UF 1608 25V 10%
<b>COIL</b>		
F1100	6140VB0021A	COIL,CHOKE 944CM-0004=P3
F1101	6140VB0021A	COIL,CHOKE 944CM-0004=P3
L130	6140VB0032A	COIL,CHOKE DBF-1015A 15.5UH
L131	6140VB0032A	COIL,CHOKE DBF-1015A 15.5UH
L132	6140VB0032A	COIL,CHOKE DBF-1015A 15.5UH
L133	6140VB0032A	COIL,CHOKE DBF-1015A 15.5UH
L1700	6140VB0004B	COIL,CHOKE 26UH
L1701	6140VB0004B	COIL,CHOKE 26UH
L201	6140VB0004B	COIL,CHOKE 26UH
L202	6140VB0004B	COIL,CHOKE 26UH
L203	6140VB0004B	COIL,CHOKE 26UH
L204	6140VB0004B	COIL,CHOKE 26UH
<b>CONNECTOR</b>		
C10	387-J12N	CONNECTOR ASSEMBLY,12P 2.5MM 900MM
C11	6631V00045B	CONNECTOR ASSEMBLY,10P SPECIAL 150MM
C12	6631V10004A	CONNECTOR ASSEMBLY,31P 1.0MM 80MM
C13	6631V10004Z	CONNECTOR ASSEMBLY,31P 1.0MM 50MM
C14	6631V25032C	CONNECTOR ASSEMBLY,3P 2.5MM 200MM
C15	6631V25032G	CONNECTOR ASSEMBLY,3P 2.5MM 400MM
C16	6631V25051B	CONNECTOR ASSEMBLY,4P 2.5MM 150MM
C17	6631V25083C	CONNECTOR ASSEMBLY,7P 2.5MM 200MM
C18	6631V25084B	CONNECTOR ASSEMBLY,12P 2.5MM 150MM
C19	6630CE00168	CONNECTOR,CARD BUS 10003526-150CALS
C20	387-G03P	CONNECTOR ASSEMBLY,3P 2.5MM 1000MM
C21	6631V39015E	CONNECTOR ASSEMBLY,4P 3.96MM 300MM
C22	6631V39016E	CONNECTOR ASSEMBLY,10P 3.96MM 300MM
C7	387-G04R	CONNECTOR ASSEMBLY,4P 2.5MM 1400MM

# REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION
C8	387-J06R	CONNECTOR ASSEMBLY,6P 2.5MM 1400MM
C9	387-J08R	CONNECTOR ASSEMBLY,8P 2.5MM 1400MM
CN1101	6630SD01709	CONNECTOR,USB YKF45-5006N
CN1102	6630SD01709	CONNECTOR,USB YKF45-5006N
CN1500	6630U60039A	CONNECTOR,TERMINAL 184-0207100-71
CN1501	6630U60039A	CONNECTOR,TERMINAL 184-0207100-71
CN900	6630G70017A	CONNECTOR,D-SUB 9P 2.54MM RS232
JK300	6630G70016A	CONNECTOR,D-SUB 15P 2.29MM RGB
<b>JACK</b>		
ANT1	6612J00042G	JACK,RCA UCT-EX-063
ANT2	6612J00042G	JACK,RCA UCT-EX-063
CN1202	6612F00055B	JACK,PHONE UEJ-CV-031
CN800	6612B00015B	JACK,DIN DC1R019WDH JAE 0.5MM
CN801	6612B00015B	JACK,DIN DC1R019WDH JAE 0.5MM
JK101	6613V00026A	JACK ASSEMBLY,UJB-03-28A
JK402	6612F00087A	JACK,PHONE UEJ-CV-032
JK407	6612J00040B	JACK,RCA UJB-06-23B
JK408	6612J10012A	JACK,RCA UJB-05-02C
JK409	6612J10012A	JACK,RCA UJB-05-02C
JK410	6612F00087A	JACK,PHONE UEJ-CV-032
JOPT101	6612BBBHN4A	JACK,DIN TOTX179
JOPT102	6612BBBHN4B	JACK,DIN TORX179
JOPT103	6612BBBHN4B	JACK,DIN TORX179
<b>RESISTOR</b>		
AR110	0RRZVTA001C	4.7K OHM 1 / 16 W 1608 5%
AR111	0RRZVTA001C	4.7K OHM 1 / 16 W 1608 5%
AR1301	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR1302	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR1303	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR1304	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR1305	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR1306	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR1307	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR1308	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR1309	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR1310	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR1311	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR1312	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR1313	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR6601	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR6602	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR6603	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR6604	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR6605	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR6606	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR800	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR801	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR802	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR803	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%

LOCA. NO	PART NO	DESCRIPTION
AR804	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
AR805	0RRZVTA001D	22 OHM 1 / 16 W 1608 5%
R1716	0RD0272H609	27 OHM 1/2 W 5.00% TA52
R1754	0RD0332H609	33 OHM 1/2 W 5.00% TA52
R675	0RN1002F409	10K OHM 1/6 W 1.00% TA52
<b>SWITCH</b>		
CN201	140-313A	SWITCH,TACT 2LEAD 100G(TA)
SW101	140-315A	SWITCH,TACT SKHV17910B
SW102	140-315A	SWITCH,TACT SKHV17910B
SW103	140-315A	SWITCH,TACT SKHV17910B
SW104	140-315A	SWITCH,TACT SKHV17910B
SW105	140-315A	SWITCH,TACT SKHV17910B
SW106	140-315A	SWITCH,TACT SKHV17910B
SW107	140-315A	SWITCH,TACT SKHV17910B
SW108	140-315A	SWITCH,TACT SKHV17910B
<b>FILTER &amp; CRYSTAL</b>		
B1000	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2
B1007	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2
B1100	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2
B1101	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2
B1102	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2
B1103	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2
B1104	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2
B116	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2
B1200	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2
B1201	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2
B1302	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2
B1305	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2
B1306	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2
B1308	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2
B1309	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2
B1310	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2
B1311	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2
B1312	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2
B1313	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2
B1400	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2
B1500	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2
B1501	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2
B1600	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2
B1601	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2
B1602	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2
B1700	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2
B1701	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2
B200	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2
B400	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2
B401	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2
B403	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2
B500	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2
B503	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2

## REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION	LOCA. NO	PART NO	DESCRIPTION
B800	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2	F717	6200QJ3001A	FILTER,EMC BMS400 25V 200MA
B801	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2	F718	6200QJ3001A	FILTER,EMC BMS400 25V 200MA
B802	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2	F719	6200QJ3001A	FILTER,EMC BMS400 25V 200MA
B803	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2	IC502	6200QL3002E	FILTER,SAW X9650M 44MHZ 5PIN
B804	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2	L101	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
B805	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2	L102	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
B806	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2	L112	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
B807	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2	L115	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
B808	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2	L116	6210VC0005A	FILTER,EMC BK2125 HS 750
B810	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2	L117	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
B901	0LCML00003B	FILTER,EMC MLB-201209-0120P-N2	L118	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
F1200	6200QJ3001A	FILTER,EMC BMS400 25V 200MA	L119	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
F1700	6200QJ3001A	FILTER,EMC BMS400 25V 200MA	L200	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
F1701	6200QJ3001A	FILTER,EMC BMS400 25V 200MA	L205	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
F1702	6200QJ3001A	FILTER,EMC BMS400 25V 200MA	L206	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
F1703	6200QJ3001A	FILTER,EMC BMS400 25V 200MA	L207	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
F1704	6200QJ3001A	FILTER,EMC BMS400 25V 200MA	L208	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
F1705	6200QJ3001A	FILTER,EMC BMS400 25V 200MA	L209	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
F1706	6200QJ3001A	FILTER,EMC BMS400 25V 200MA	L210	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
F1707	6200QJ3001A	FILTER,EMC BMS400 25V 200MA	L211	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
F1708	6200QJ3001A	FILTER,EMC BMS400 25V 200MA	L212	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
F1709	6200QJ3001A	FILTER,EMC BMS400 25V 200MA	L213	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
F1710	6200QJ3001A	FILTER,EMC BMS400 25V 200MA	L214	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
F1711	6200QJ3001A	FILTER,EMC BMS400 25V 200MA	L215	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
F1712	6200QJ3001A	FILTER,EMC BMS400 25V 200MA	L216	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
F1713	6200QJ3001A	FILTER,EMC BMS400 25V 200MA	L220	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
F1714	6200QJ3001A	FILTER,EMC BMS400 25V 200MA	L227	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
F1715	6200QJ3001A	FILTER,EMC BMS400 25V 200MA	L228	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
F1716	6200QJ3001A	FILTER,EMC BMS400 25V 200MA	L229	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
F1717	6200QJ3001A	FILTER,EMC BMS400 25V 200MA	L230	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
F1718	6200QJ3001A	FILTER,EMC BMS400 25V 200MA	L231	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
F1719	6200QJ3001A	FILTER,EMC BMS400 25V 200MA	L232	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
F1720	6200QJ3001A	FILTER,EMC BMS400 25V 200MA	L234	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
F1721	6200QJ3001A	FILTER,EMC BMS400 25V 200MA	L235	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
F1722	6200QJ3001A	FILTER,EMC BMS400 25V 200MA	L312	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
F1725	6200QJ3001A	FILTER,EMC BMS400 25V 200MA	L320	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
F1726	6200QJ3001A	FILTER,EMC BMS400 25V 200MA	L321	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
F1727	6200QJ3001A	FILTER,EMC BMS400 25V 200MA	L412	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
F1728	6200QJ3001A	FILTER,EMC BMS400 25V 200MA	L420	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
F700	6200QJ3001A	FILTER,EMC BMS400 25V 200MA	L421	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
F701	6200QJ3001A	FILTER,EMC BMS400 25V 200MA	L510	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
F702	6200QJ3001A	FILTER,EMC BMS400 25V 200MA	L511	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
F703	6200QJ3001A	FILTER,EMC BMS400 25V 200MA	L6602	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
F704	6200QJ3001A	FILTER,EMC BMS400 25V 200MA	L6603	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
F705	6200QJ3001A	FILTER,EMC BMS400 25V 200MA	L6604	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
F706	6200QJ3001A	FILTER,EMC BMS400 25V 200MA	L6605	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
F710	6200QJ3001A	FILTER,EMC BMS400 25V 200MA	L6607	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
F711	6200QJ3001A	FILTER,EMC BMS400 25V 200MA	L6608	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
F714	6200QJ3001A	FILTER,EMC BMS400 25V 200MA	L6609	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
F715	6200QJ3001A	FILTER,EMC BMS400 25V 200MA	L6610	6210VC0006A	FILTER,EMC FBMH3216 HM501NT
F716	6200QJ3001A	FILTER,EMC BMS400 25V 200MA	L6611	6210VC0006A	FILTER,EMC FBMH3216 HM501NT

# REPLACEMENT PARTS LIST

LOCA. NO	PART NO	DESCRIPTION	LOCA. NO	PART NO	DESCRIPTION
L6615	6210VC0006A	FILTER,EMC FBMH3216 HM501NT	A4	6850TD9007E	CABLE,D-SUB UL20276-9C(5.8MM) DT L1800,
X1000	6212AC2001D	RESONATOR,CRYSTAL HC-49/SM 14MHZ	A5	6851V00019A	CABLE ASSEMBLY,RF 4AC208A0 3M CORE
X102	6202VDT002H	RESONATOR,CRYSTAL SX-1 18.432000MHZ	A6	6851V00023B	CABLE ASSEMBLY,BIZLINK XX15563-88A 3000MM
X103	6212BA2002C	RESONATOR,CERAMIC CSALA2M69G4ZF01-B0	A7	4972V00178A	FIXER,WALL NON ASSY PDP SET
X104	6212AB2015A	RESONATOR,CRYSTAL HC-49/SM4H 4MHZ			
X1101	6212AB2806A	RESONATOR,CRYSTAL SX-1 24.576MHZ			
X1200	6212AB2015E	RESONATOR,CRYSTAL HC-49/SM 10.0MHZ			
X1202	6212AB2015A	RESONATOR,CRYSTAL HC-49/SM4H 4MHZ			
X1500	6212AB2015C	RESONATOR,CRYSTAL HC-49/SM4H 25MHZ			
X200	6202VDT002H	RESONATOR,CRYSTAL SX-1 18.432000MHZ			
X401	6202VDT002D	RESONATOR,CRYSTAL SX-1SMD 8.0MHZ			
X6601	6212AB2806A	RESONATOR,CRYSTAL SX-1 24.576MHZ			
X6602	6212AB2806A	RESONATOR,CRYSTAL SX-1 24.576MHZ			
X801	6212AB2845A	RESONATOR,CRYSTAL ABL5-27.000MHZ			
<b>MISCELLANEOUS</b>					
C1	6850U00002C	CABLE,USB SERIAL ATA UL2725 AWG26 200MM			
C2	6851V00080A	CABLE ASSEMBLY,1537740-1(AMP) H			
C3	6850J00005B	CABLE,DVI LVDS UL20276 AWG30 500MM			
C4	6851V00022B	CABLE,COAXIAL(100MM),UL1365#26 VW-1			
C5	6851V00022C	CABLE,COAXIAL(150MM),UL1365#26 VW-1			
C6	6850U00002D	CABLE,USB SERIAL ATA UL2725 AWG26 800MM			
IC305	6927V1276AC	SOFT WARE,3.01.1V 7861 PDP AF05FA			
IC306	6927V1277AC	SOFT WARE,3.01.1V CB38 PDP AF05FA			
IC307	6927V1278AC	SOFT WARE,3.01.1V 0F19 PDP AF05FA			
IC308	6927V1279AC	SOFT WARE,3.01.1V 3821 PDP AF05FA			
IC404	6927V1211AQ	SOFT WARE,3.02V 602D PDP AF05FA			
J1	6871VSMQ67A	PCB ASSEMBLY,SUB AUDIO AF05FA			
PA101	6712000010A	REMOTE CONTROLLER RECEIVER,38KHZ			
SW301	6634D00010B	ADAPTER,RF TASA-H301P			
TU301	6700AN0002C	TUNER,TDVS-H702P			
TU302	6700NF0019B	TUNER,TAFM-H103P			
TU500	6700NC0001B	TUNER,TAEU-H018P			
VA1100	6102W5V016A	VARISTOR,AVRL161A1R1NT			
VA1101	6102W5V016A	VARISTOR,AVRL161A1R1NT			
VA1102	6102W5V016A	VARISTOR,AVRL161A1R1NT			
VA1103	6102W5V016A	VARISTOR,AVRL161A1R1NT			
VA1104	6102W5V016A	VARISTOR,AVRL161A1R1NT			
VA1105	6102W5V016A	VARISTOR,AVRL161A1R1NT			
VA1106	6102W5V016A	VARISTOR,AVRL161A1R1NT			
VA1107	6102W5V016A	VARISTOR,AVRL161A1R1NT			
VX500	6204B60001B	OSCILLATOR,27MHZ +/- 100 PPM 3.3V			
X1100	6204B47985M	OSCILLATOR,SCO-103 13.5MHZ			
X1600	6204B47985N	OSCILLATOR,SCO-103 83.33MHZ			
X200	6204B47985L	OSCILLATOR,SCO-103 33.33HZ			
X302	6204B47985K	OSCILLATOR,BMS-873R 25MHZ			
<b>ACCESSORIES</b>					
A1	3828VA0528A	MANUAL,OWNERS AF05FA			
A2	6710V00141T	REMOTE CONTROLLER			
A3	6410VUH005C	POWER CORD,BP-301 2800MM			





P/NO : 3828VD0212F

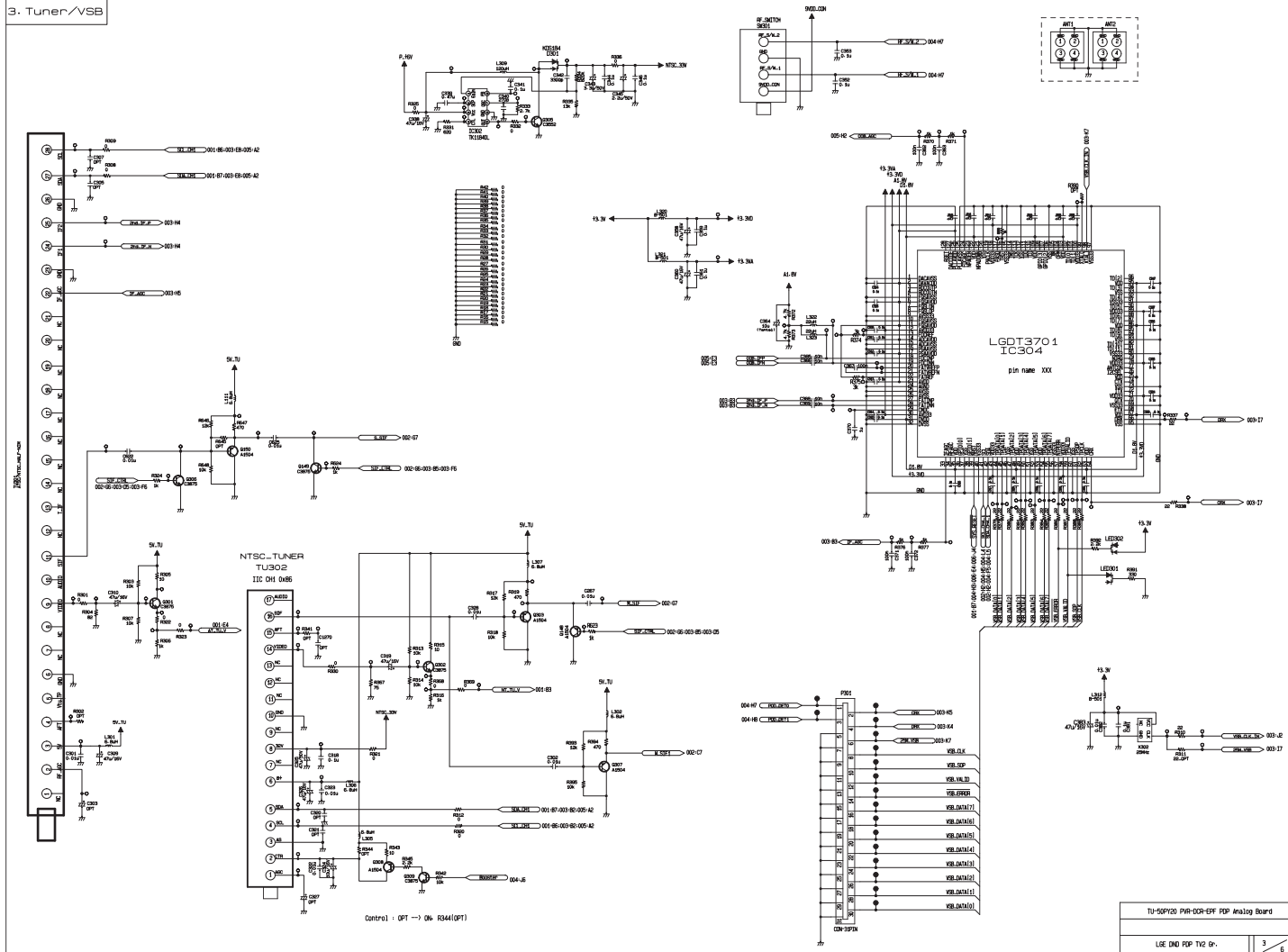
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### 3. Tuner/VSB



### 4. MICOM / COMP CM

